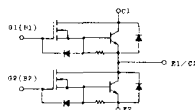


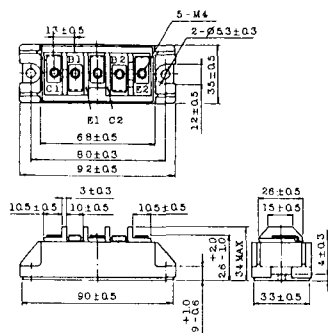
混合モジュール (トランジスタ+MOS FET)

MG50G2CH1

■接続図



■外形図

■最大定格 ($T_a = 25^\circ\text{C}$)

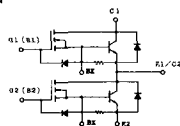
記号	MG50G2CH1	単位
V_{CES}	500	V
V_{CER}	450	V
V_{GES}	20	V
V_{EGO}	7	V
I_C	50	A
I_F	50	A
P_C	250	W
T_j	150	$^\circ\text{C}$
T_{stg}	$-40 \sim +125$	$^\circ\text{C}$
V_{hol}	2500	V

■電気的特性

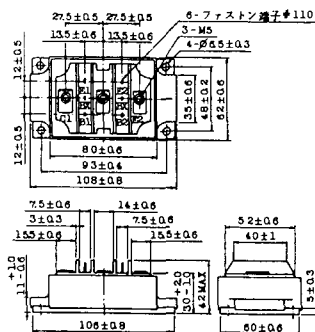
記号	測定条件	最小	標準	最大	単位
I_{GES}	$V_{GE}=20\text{V}, V_{CE}=0$			100	nA
I_{CES}	$V_{CE}=500\text{V}, V_{GE}=0$			5	mA
I_{EGO}	$V_{EG}=6\text{V}, I_C=0$			200	mA
V_{CES}	$I_C=10\text{mA}, V_{GE}=0$	500			V
V_{th}	$I_C=50\text{mA}, V_{CE}=10\text{V}$	2		5	V
$V_{CE(sat)}$	$I_C=50\text{A}, V_{GE}=10\text{V}$		3	3.5	V
V_F	$I_F=50\text{A}, V_{GE}=0$		1.3	1.6	V
t_r	$V_{CC}=300\text{V}, R_L=6\Omega$		1	2	μs
t_{on}	$I_C=10\text{mA}, V_{GE}=0$		2.7	3.5	μs
t_f	$I_C=-3\text{A}$		0.7	1.5	μs
t_{off}	$I_C=10\text{mA}, V_{GE}=0$				μs
t_{rr}	$I_F=50\text{A}, V_{GE}=0\text{V}, di/dt=100\text{A}/\mu\text{s}$		0.7	1	μs
R_{th}	接合部~ケース間			0.5	$^\circ\text{C}/\text{W}$

MG100G2CH1

■接続図



■外形図

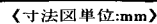
■最大定格 ($T_a = 25^\circ\text{C}$)

記号	MG100G2CH1	単位
V_{CES}	500	V
V_{CER}	450	V
V_{GES}	20	V
V_{EGO}	7	V
I_C	100	A
I_F	100	A
P_C	400	W
T_j	150	$^\circ\text{C}$
T_{stg}	$-40 \sim +125$	$^\circ\text{C}$
V_{hol}	2500	V

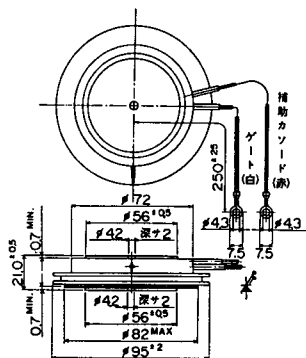
■電気的特性

記号	測定条件	最小	標準	最大	単位
I_{GES}	$V_{GE}=20\text{V}, V_{CE}=0$			100	nA
I_{CES}	$V_{CE}=500\text{V}, V_{GE}=0$			10	mA
I_{EGO}	$V_{EG}=6\text{V}, I_C=0$			400	mA
V_{CES}	$I_C=10\text{mA}, V_{GE}=0$	500			V
V_{th}	$I_C=100\text{mA}, V_{CE}=10\text{V}$	2		5	V
$V_{CE(sat)}$	$I_C=100\text{A}, V_{GE}=10\text{V}$		3	3.5	V
V_F	$I_F=100\text{A}, V_{GE}=0$		1.3	1.6	V
t_r	$V_{CC}=300\text{V}, R_L=3\Omega$		1	2	μs
t_{on}	$I_C=10\text{mA}, V_{GE}=0$		2.7	3.5	μs
t_f	$I_C=-6\text{A}$		0.7	1.5	μs
t_{off}	$I_C=10\text{mA}, V_{GE}=0$				μs
t_{rr}	$I_F=100\text{A}, V_{GE}=0\text{V}, di/dt=200\text{A}/\mu\text{s}$		0.7	1	μs
R_{th}	接合部~ケース間			0.31	$^\circ\text{C}/\text{W}$

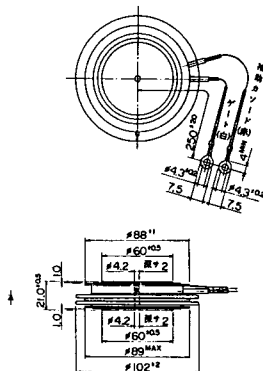
東芝



FD-9

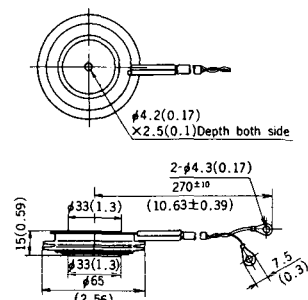
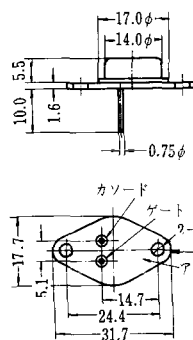
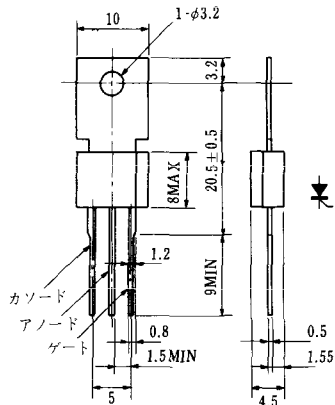


FD-10

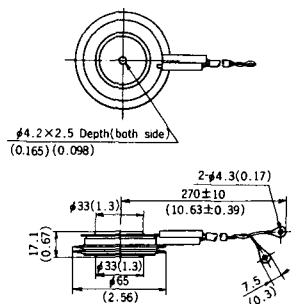


FD-11

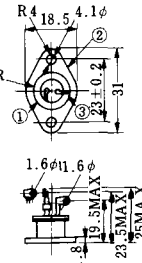
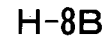
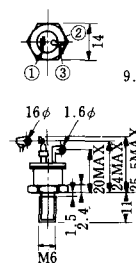
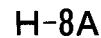
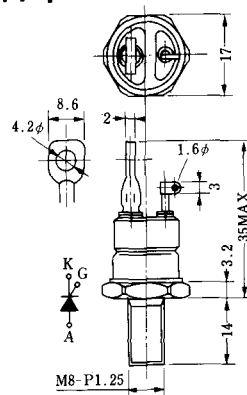
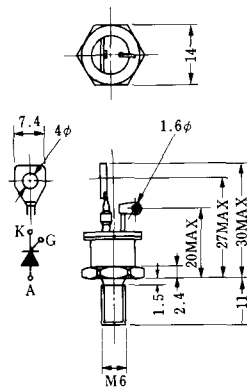
FD-12



Unit in mm(inch)

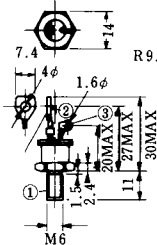


Unit in mm(inch)

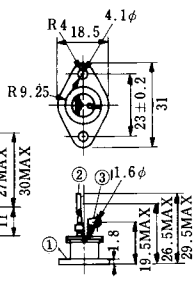


- ①アノード
- ②カソード
- ③ゲート

H-9A



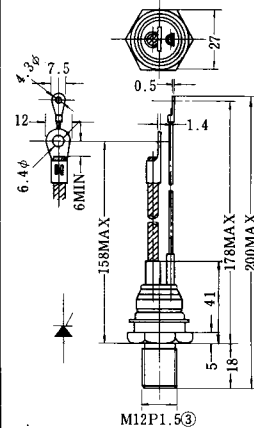
H-9B



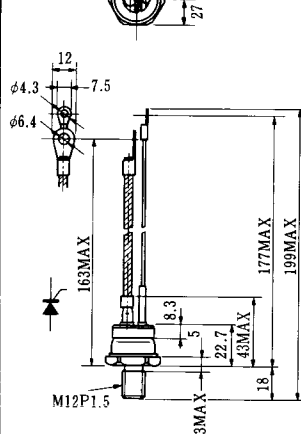
- ①アノード
②カソード
③ゲート



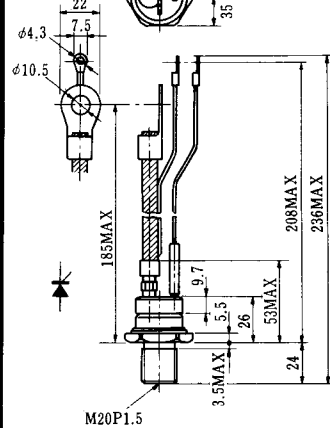
H-10



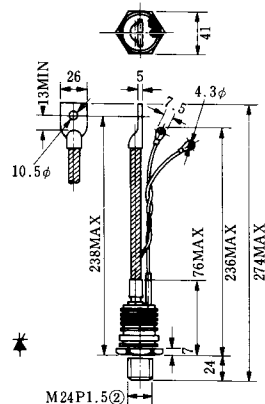
H-11



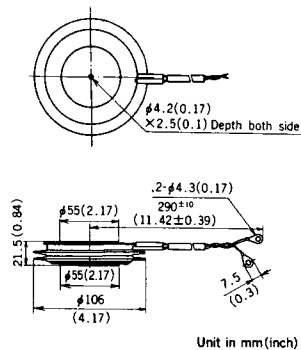
H-12



H-13

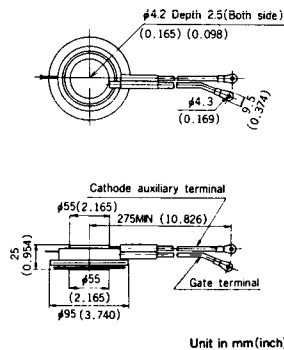


H-14



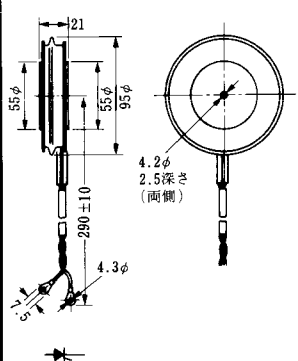
Unit in mm (inch)

H-15

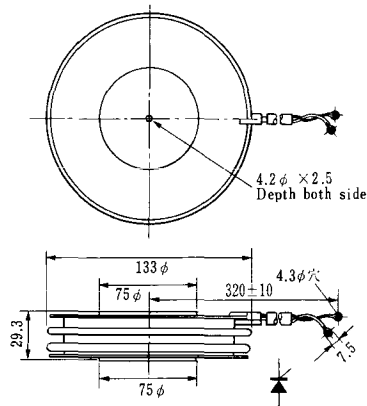


Unit in mm (inch)

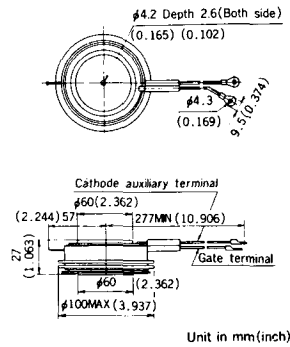
H-16



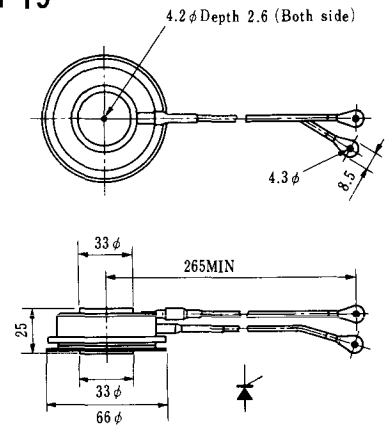
H-17



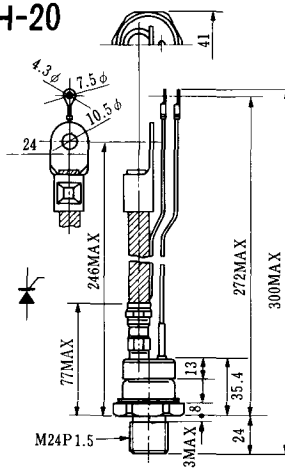
H-18



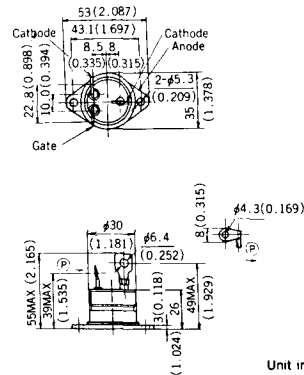
H-19



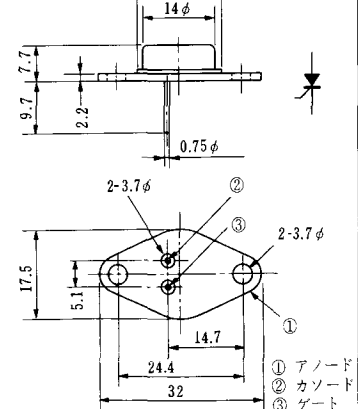
H-20



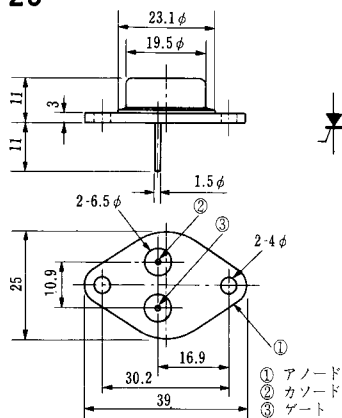
H-21



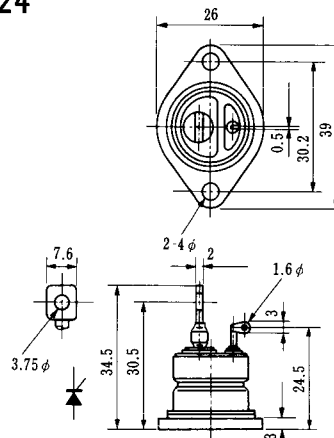
H-22



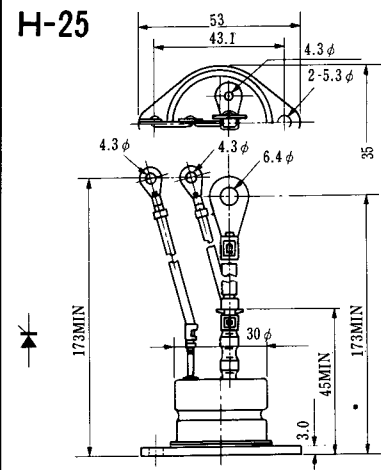
H-23



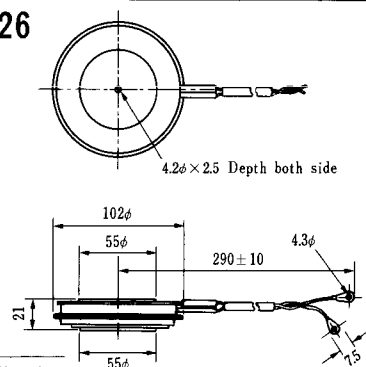
H-24



H-25

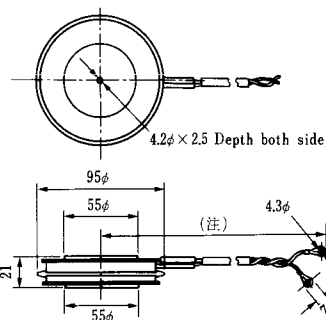


H-26



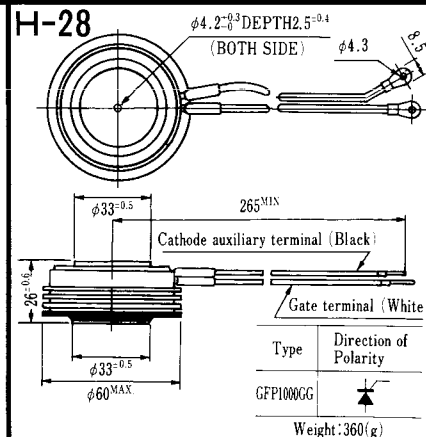
Type	Direction of polarity
CA12	

H-27



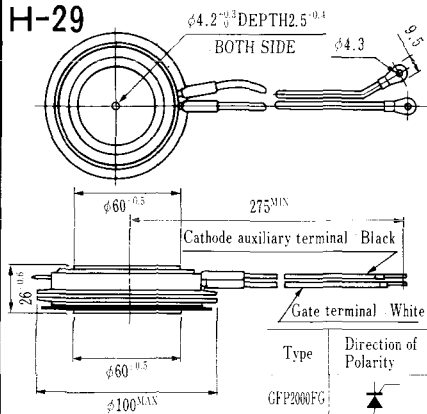
Type	Direction of polarity
CF11V	

H-28



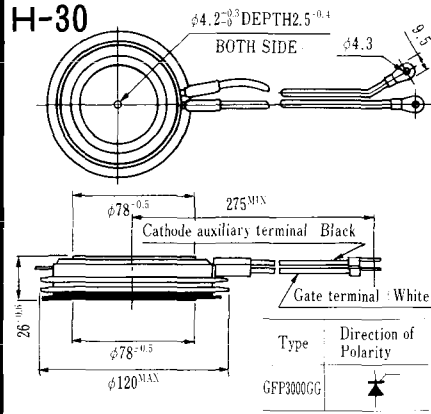
Note: The thickness is a dimension in press at the rated mounting force.

H-29



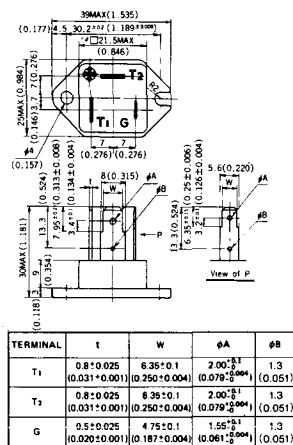
Note : The thickness is a dimension in press at the rated mounting force.

H-30



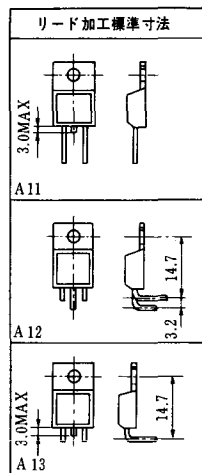
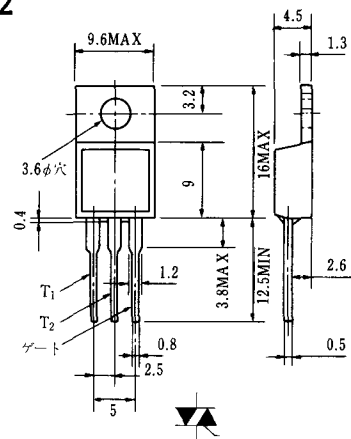
Note : The thickness is a dimension in press at the rated mounting force.

HT-1

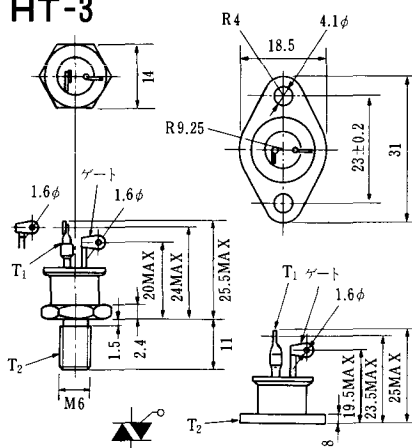


Unit in mm (inch)

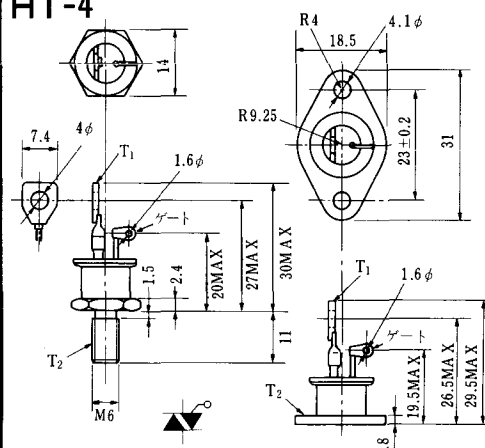
HT-2



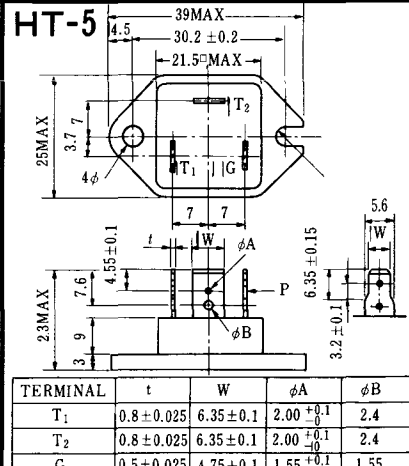
HT-3



HT-4

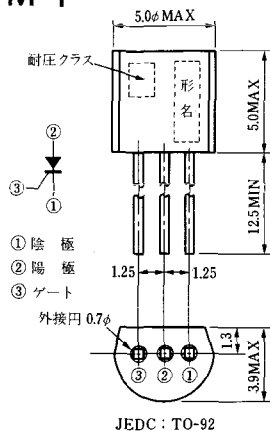


HT-5

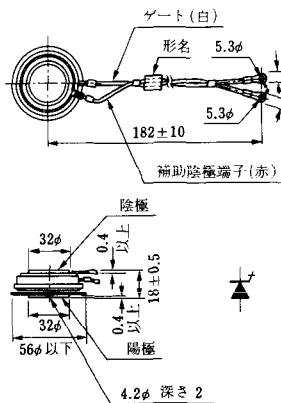


《寸法図単位：mm》

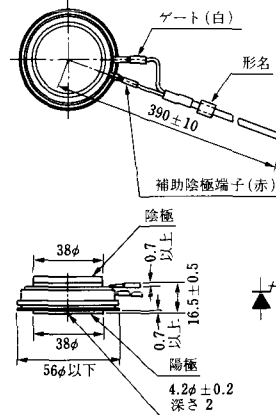
M-1



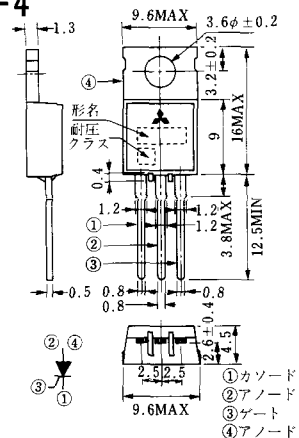
M-2



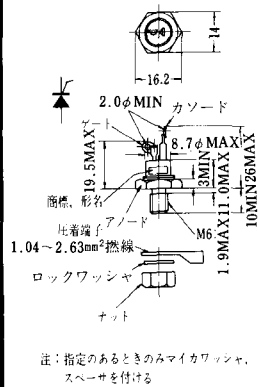
M-3



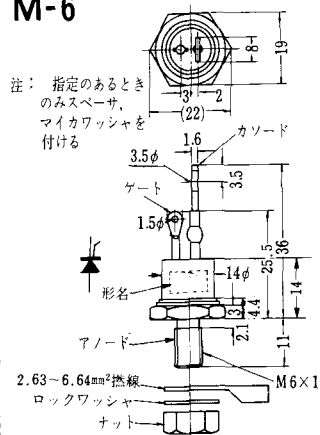
M-4



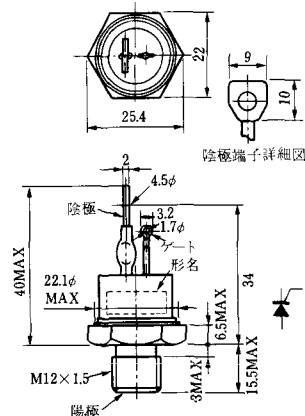
M-5



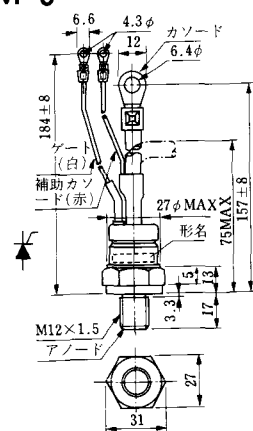
M-6



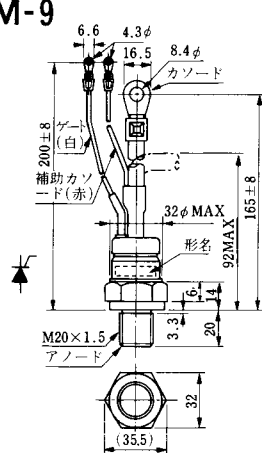
M-7



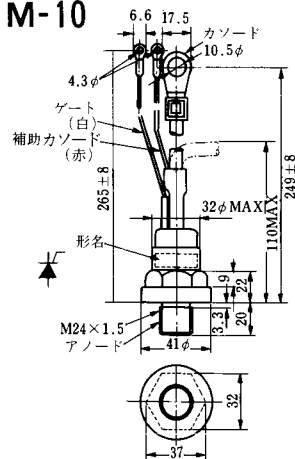
M-8



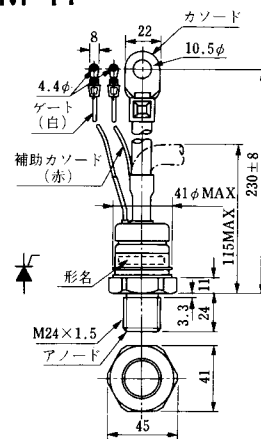
M-9



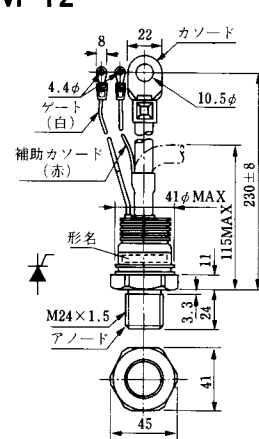
M-10



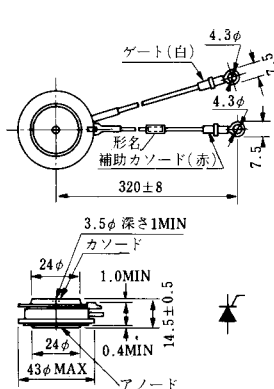
M-11



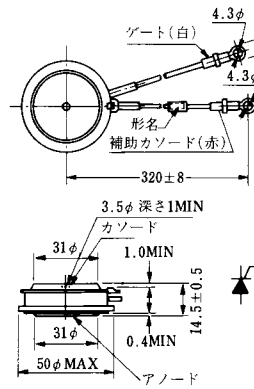
M-12



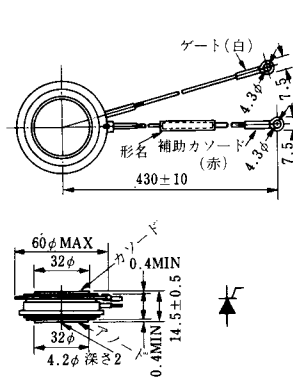
M-13



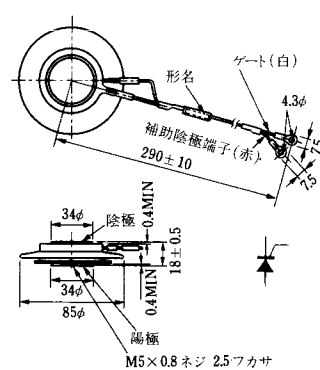
M-14



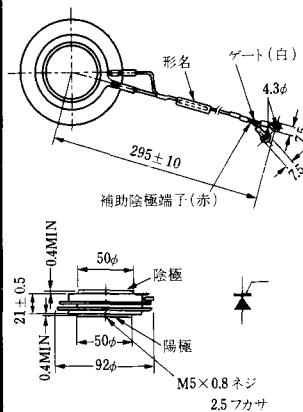
M-15



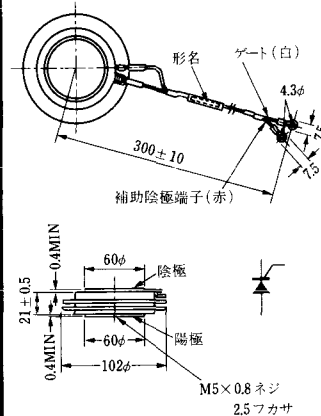
M-16



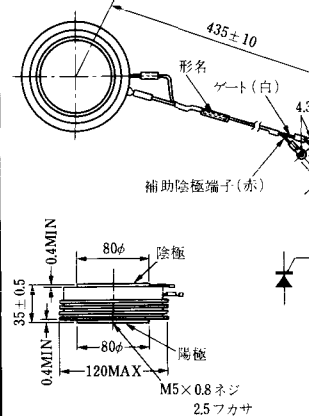
M-17



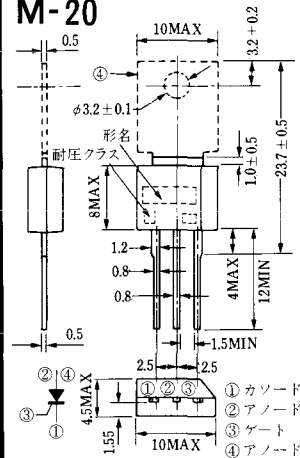
M-18



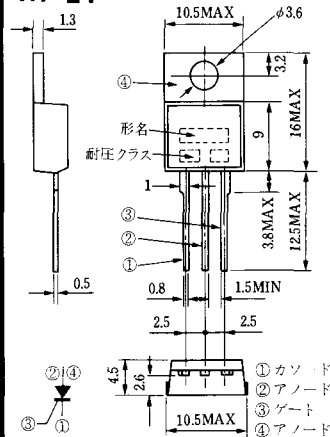
M-19



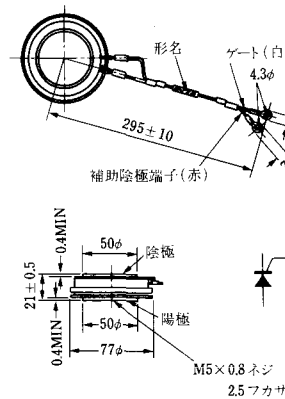
M-20



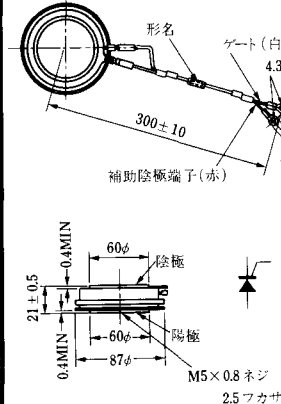
M-21



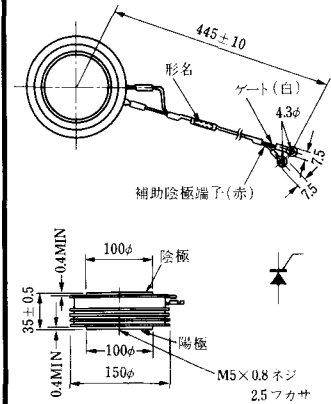
M-22



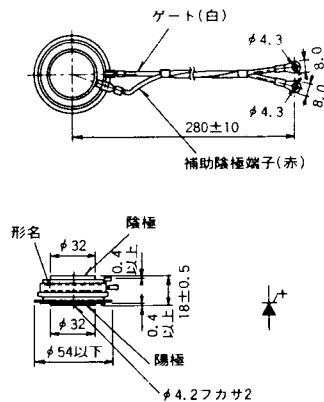
M-23



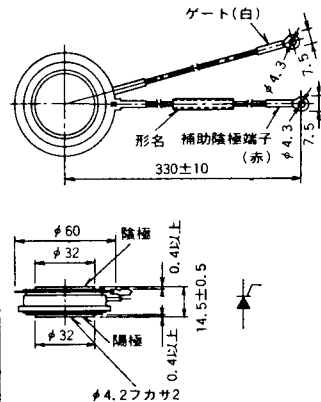
M-24



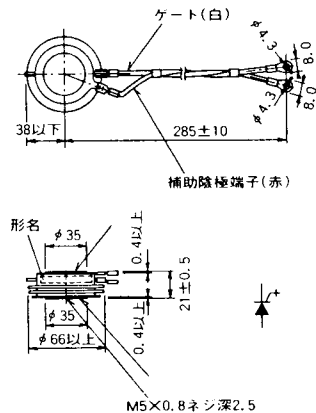
M-25



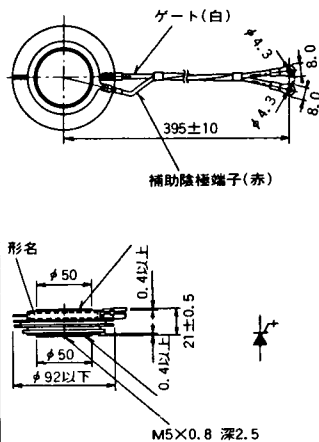
M-26



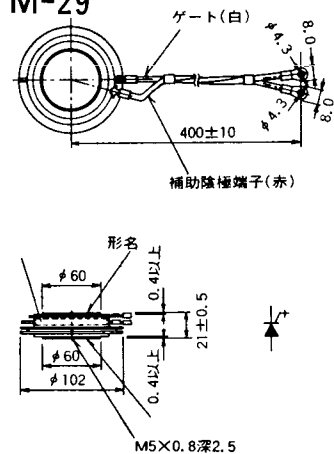
M-27



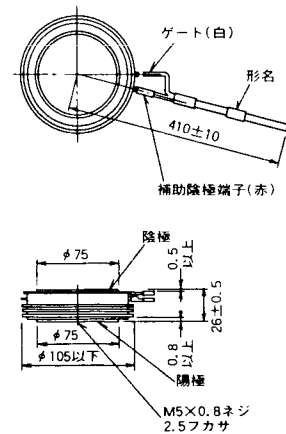
M-28



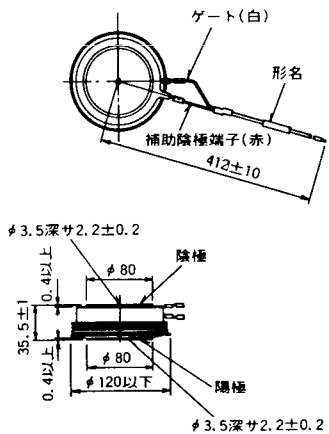
M-29



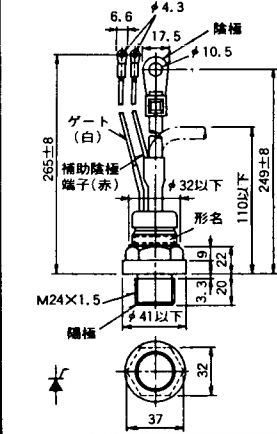
M-30



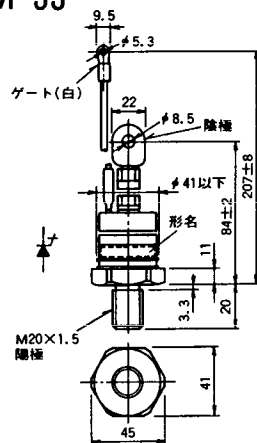
M-31



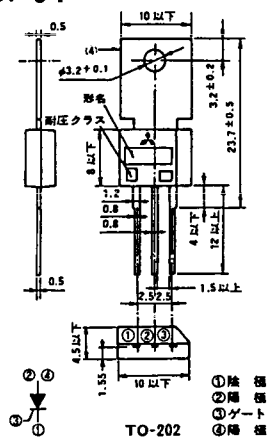
M-32



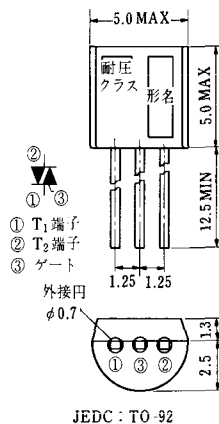
M-33



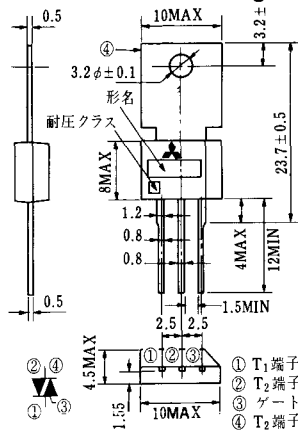
M-34



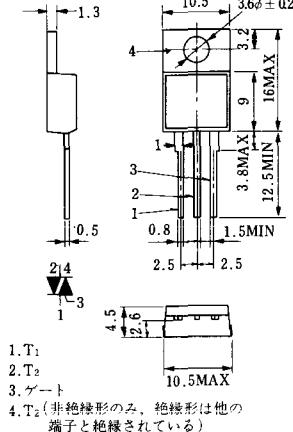
MT-1



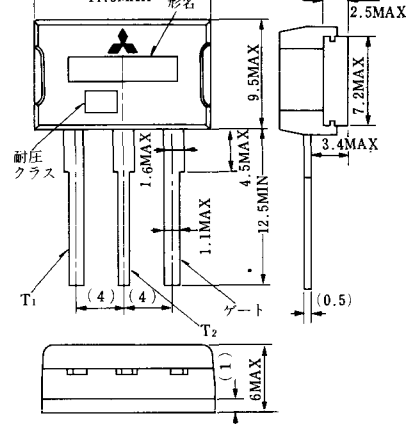
MT-2



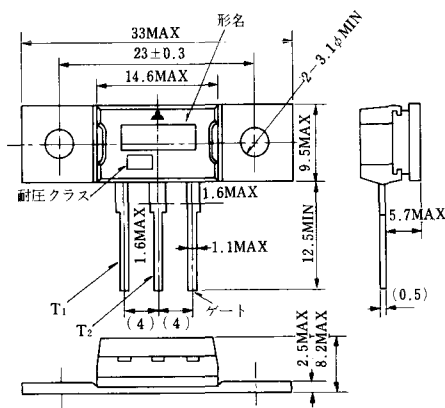
MT-3



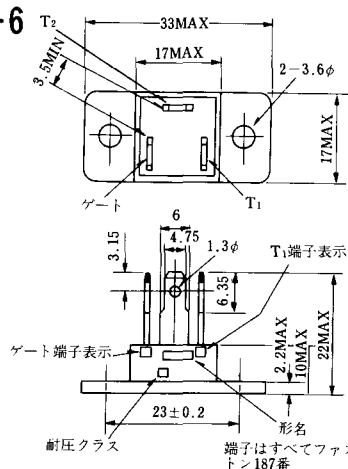
MT-4



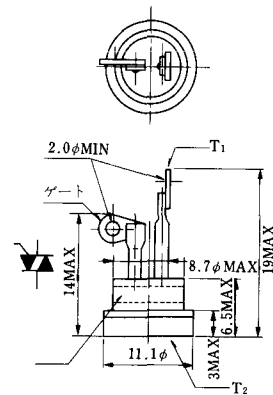
MT-5



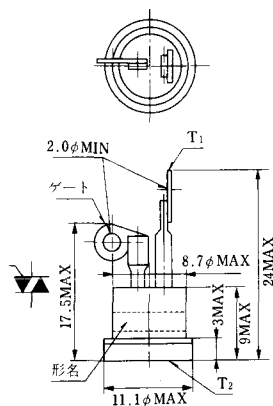
MT-6



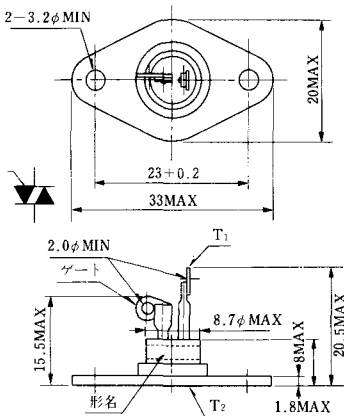
MT-7



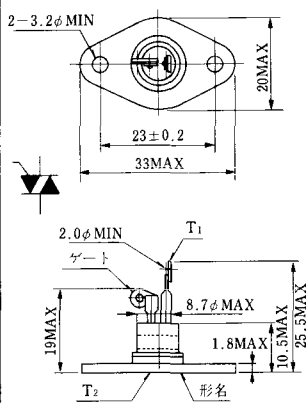
MT-8



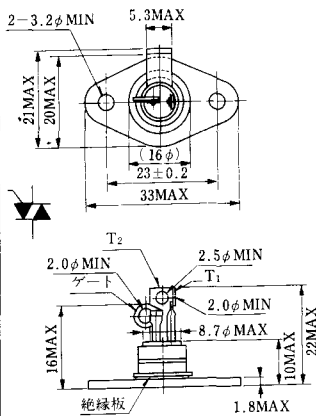
MT-9



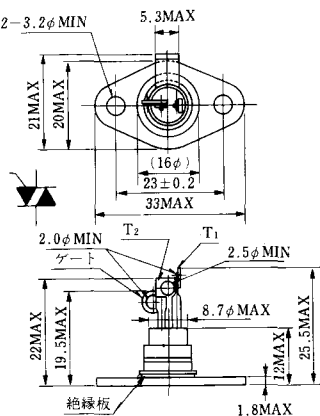
MT-10



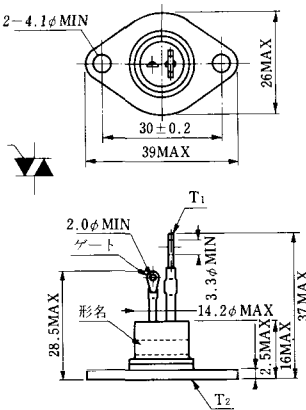
MT-11



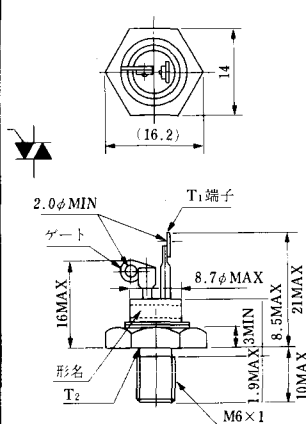
MT-12



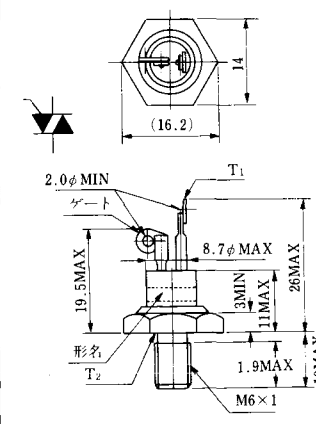
MT-13



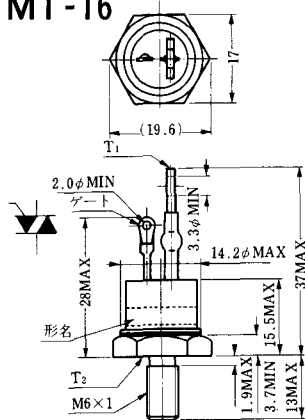
MT-14



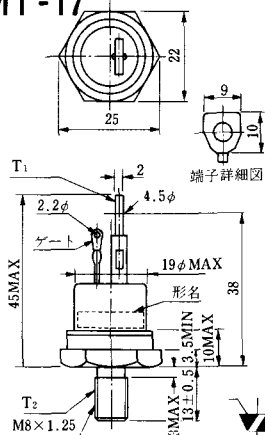
MT-15



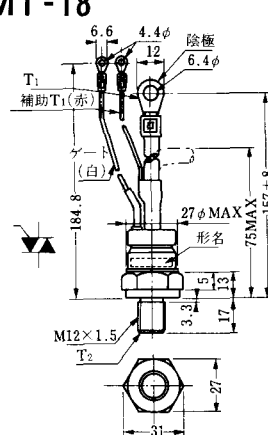
MT-16



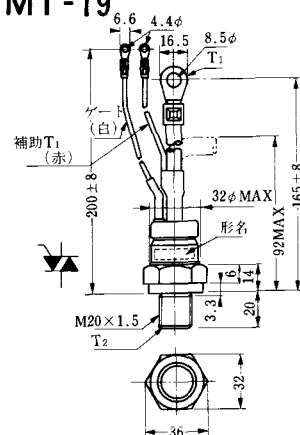
MT-17



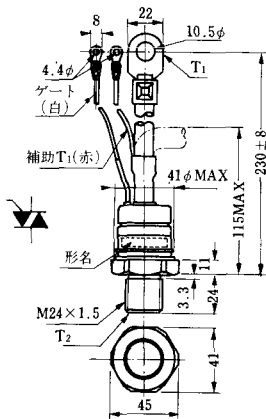
MT-18



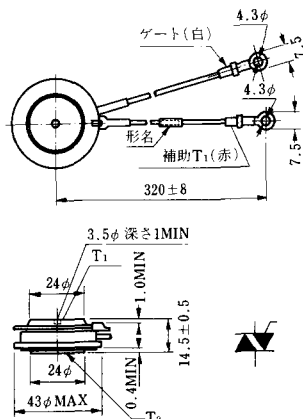
MT-19



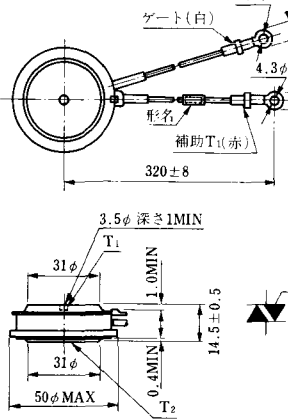
MT-20



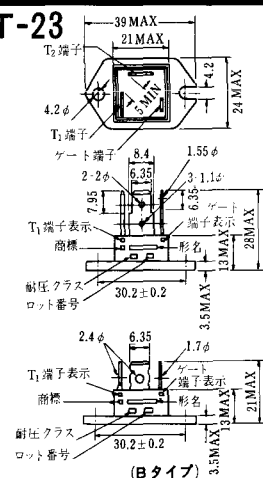
MT-21



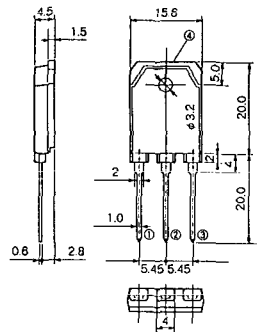
MT-22



MT-23



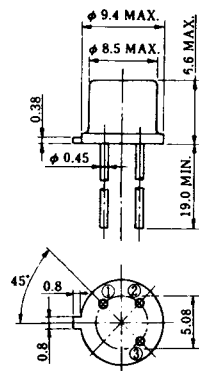
MT-24



TO - 3P

- ① T1 端子
- ② T2 端子
- ③ ゲート端子
- ④ T2 端子

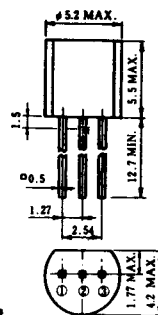
N-1



電極接続

- ① カソード
- ② ゲート
- ③ アノード

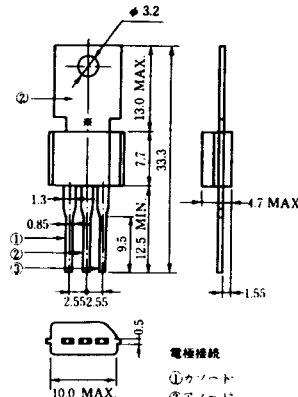
N-2



電極接続

- ① ゲート
- ② アノード
- ③ カソード

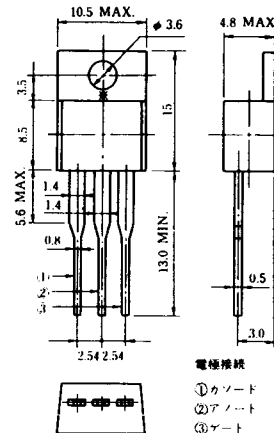
N-3



電極接続

- ① カソード
- ② アノード
- ③ ゲート

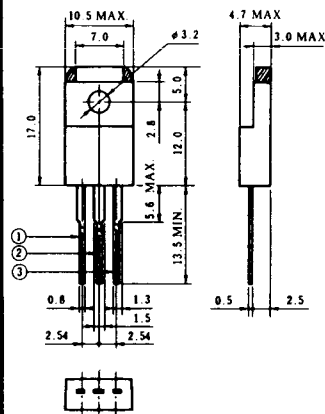
N-4



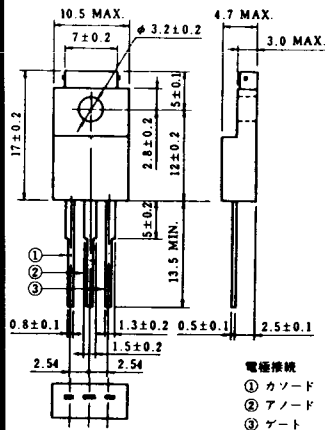
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-5



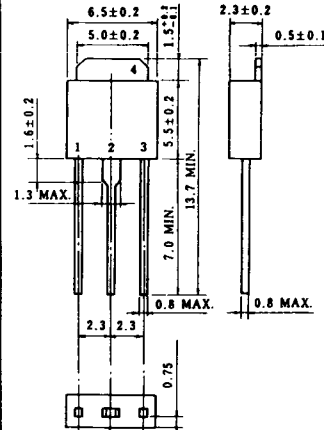
N-6



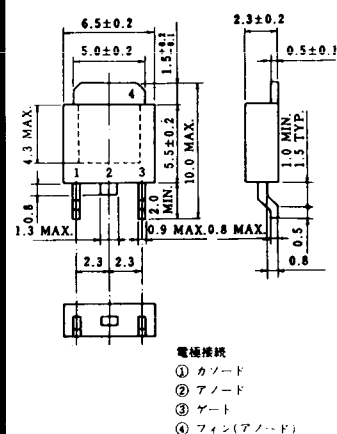
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-7



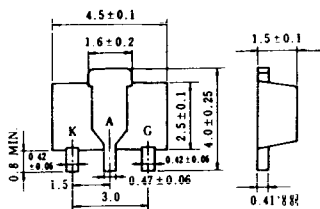
N-8



電極接続

- ① カソード
- ② アノード
- ③ ゲート
- ④ フィン(アノード)

N-9



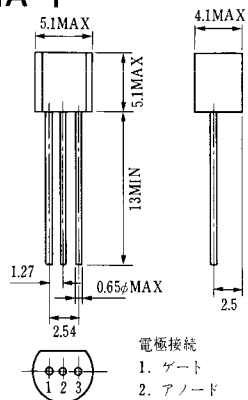
電極接続

K : カソード

A : アノード

G : ゲート

NA-1

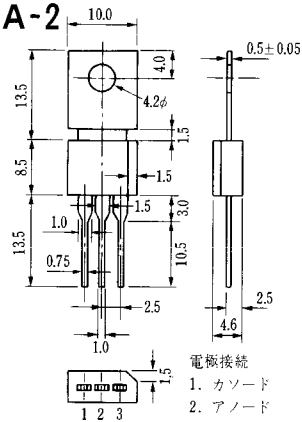


電極接続

1. ゲート
2. アノード
3. カソード

JEDEC: TO-92

NA-2



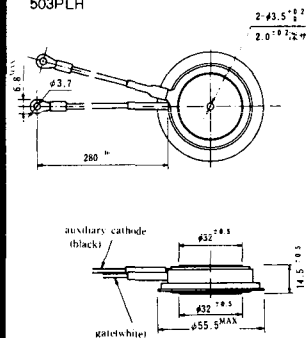
電極接続

1. カソード
2. アノード
3. ゲート

JEDEC: TO-202AA

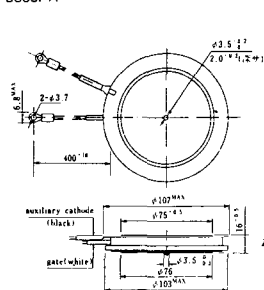
NI-16

503PLF
503PLH



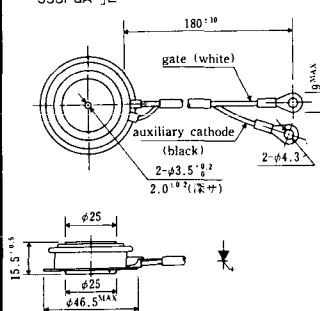
NI-17

3003PA



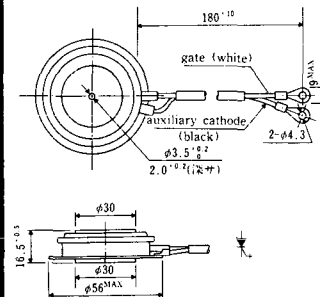
NI-18

353PGA「E



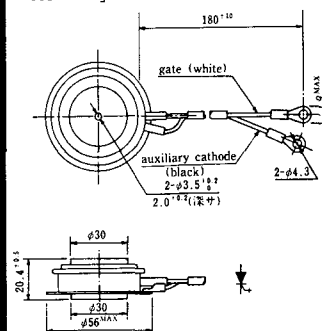
NI-19

603PGA, 603PGA「A, 803PGA



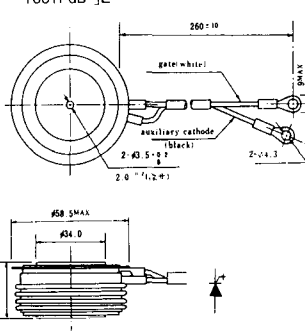
NI-20

603PGA「E



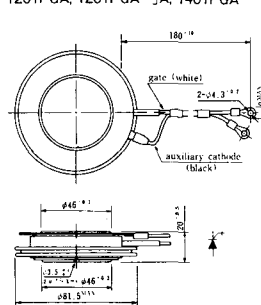
NI-21

1001PGB「E



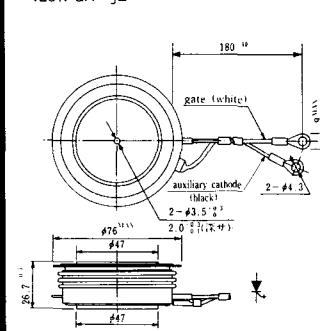
NI-22

1201PGA, 1201PGA「A, 1401PGA



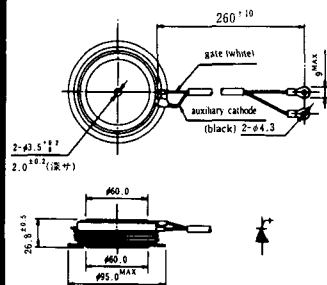
NI-23

1201PGA「E



NI-24

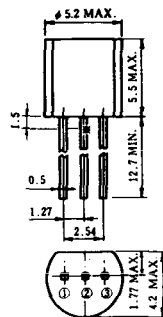
2001PGB^r JE



NI-25

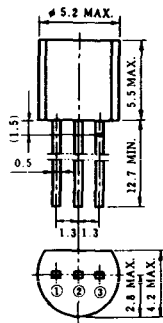
NI-26

NT-1



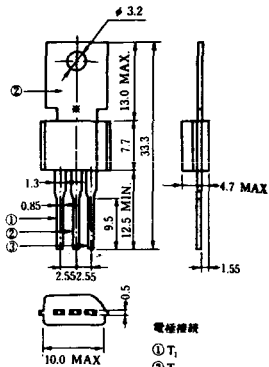
電極接続
① T₁
② ゲート
③ T₂

NT-2



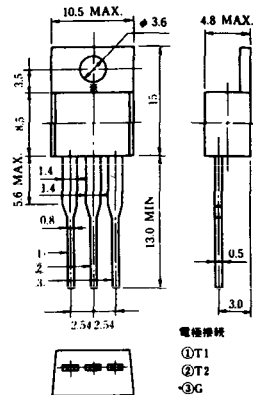
電極接続
① T₁
② ゲート
③ T₂

NT-3



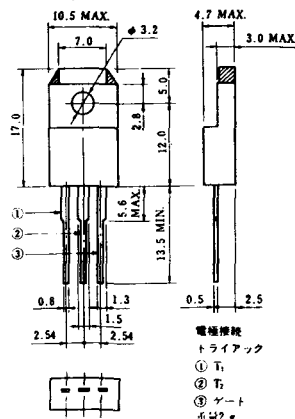
電極接続
① T₁
② T₂
③ ゲート

NT-4



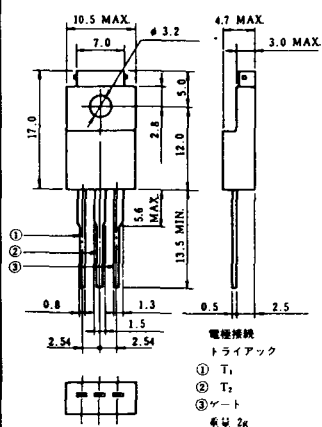
電極接続
① T₁
② T₂
③ G

NT-5



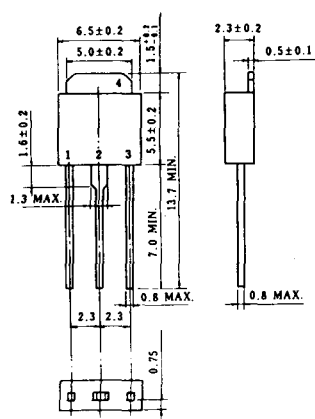
電極接続
トライアック
① T₁
② T₂
③ ゲート
※ 2g

NT-6

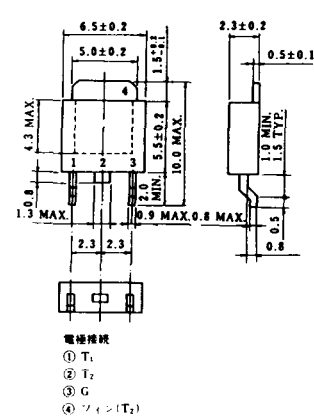


電極接続
トライアック
① T₁
② T₂
③ ゲート
※ 2g

NT-7

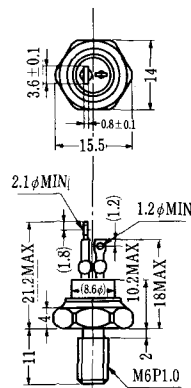


NT-8

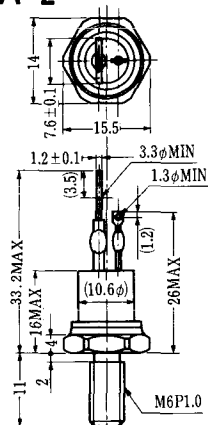


電極接続
① T₁
② T₂
③ G
④ フォイン(T₂)

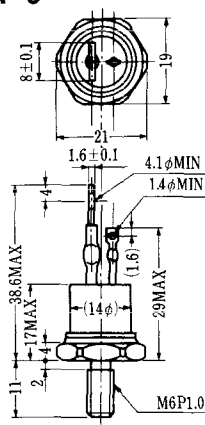
SA-1



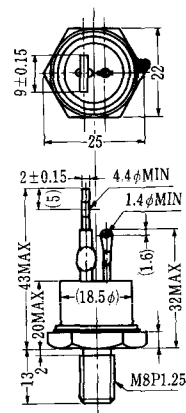
SA-2



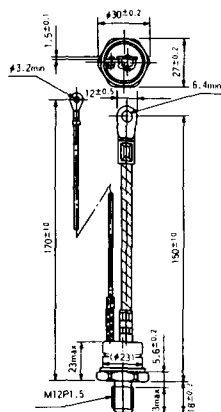
SA-3



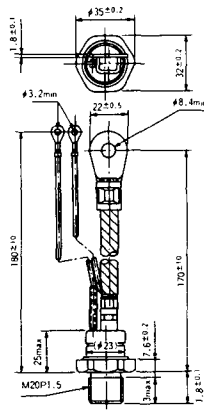
SA-4



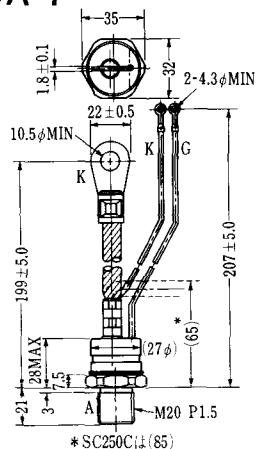
SA-5



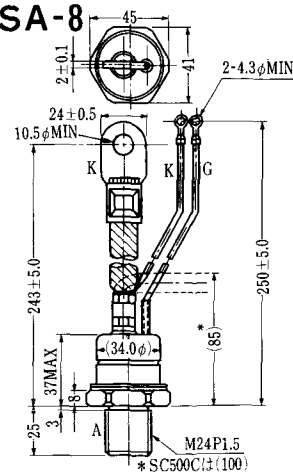
SA-6



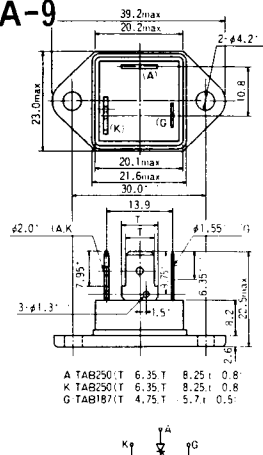
SA-7



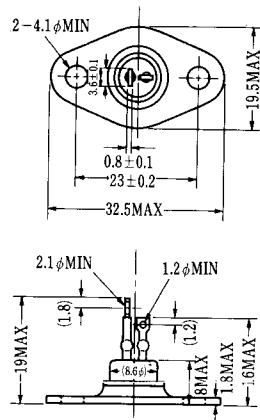
SA-8



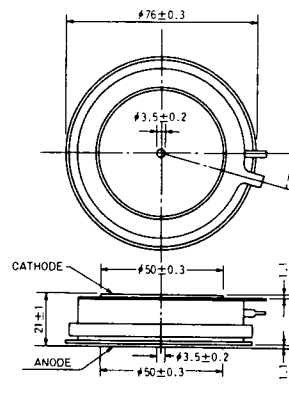
SA-9



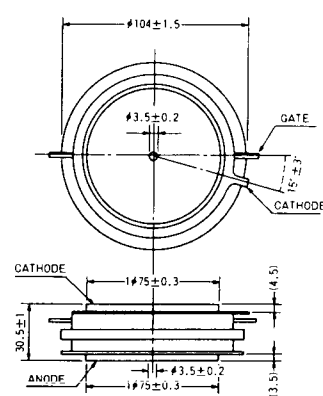
SA-10



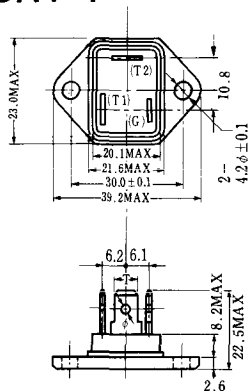
SA-11



SA-12

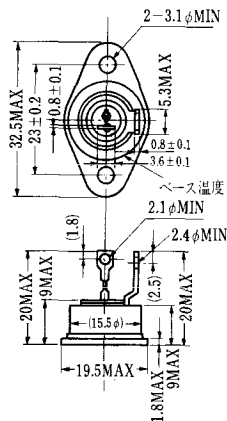


SAT-1

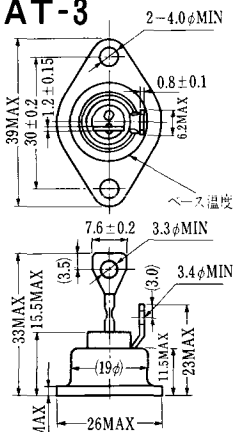


T1端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
T2端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
G 端子:ファストン187($T=4.75$, $t=0.5$, $\phi=1.3$)

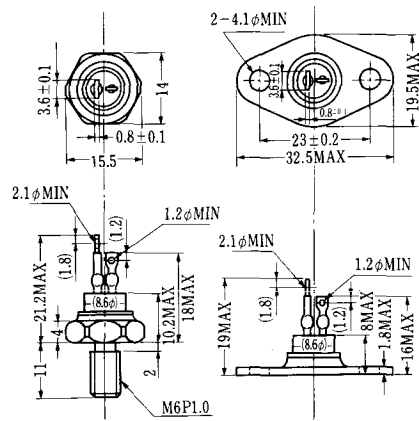
SAT-2



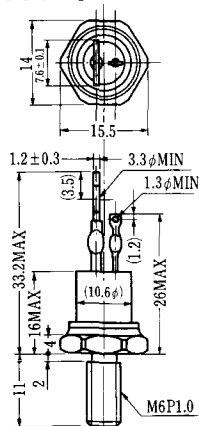
SAT-3



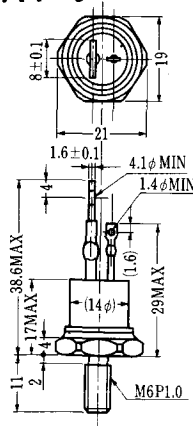
SAT-4



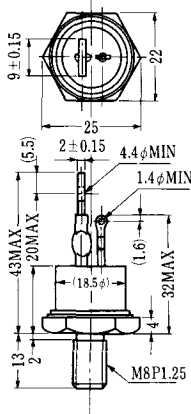
SAT-5



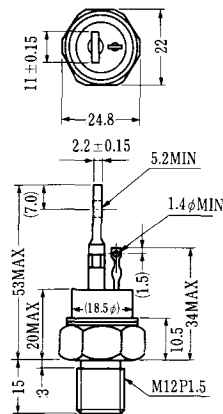
SAT-6



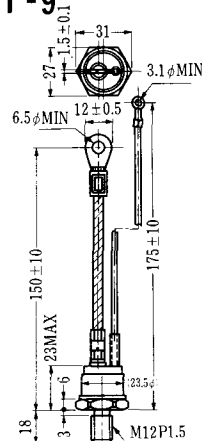
SAT-7



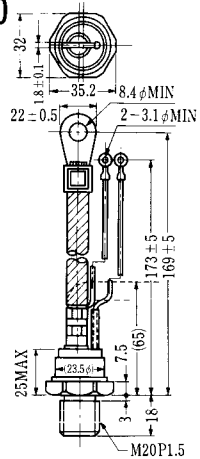
SAT-8



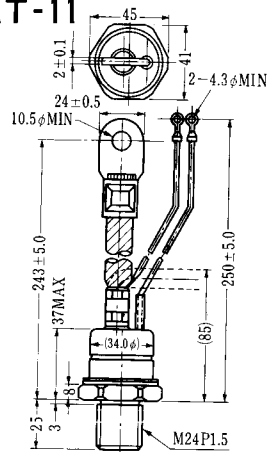
SAT-9.



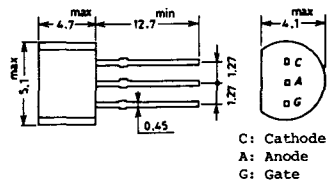
SAT-10



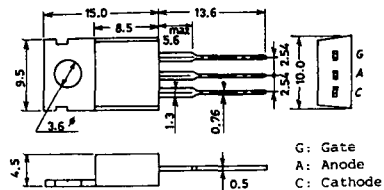
SAT-11



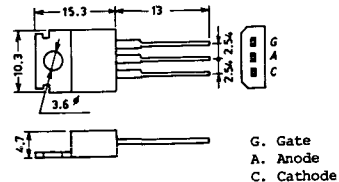
SY-1(1096A)



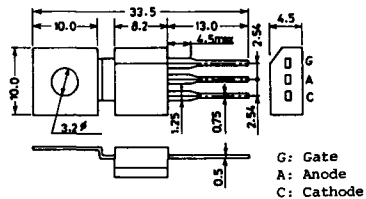
SY-2(1151)



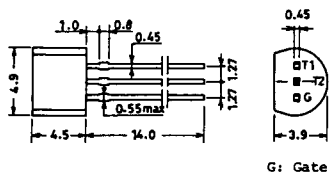
SY-3(1104)



SY-4(1150)

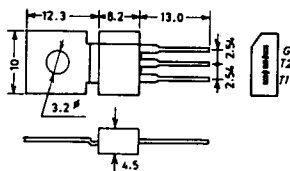


1097A

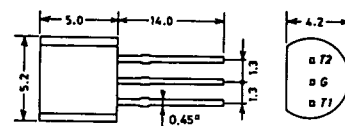


G: Gate

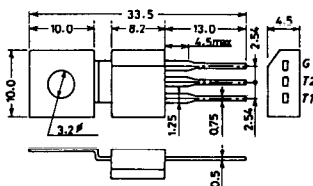
1102



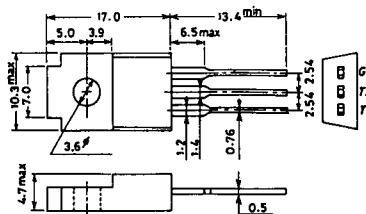
1141



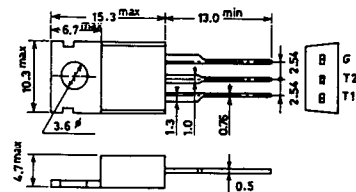
1142



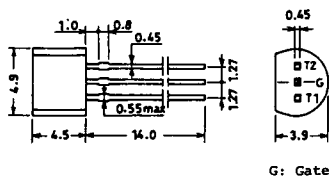
1144



1155

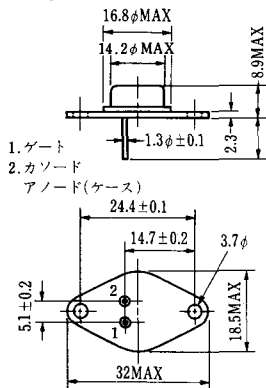


1192A

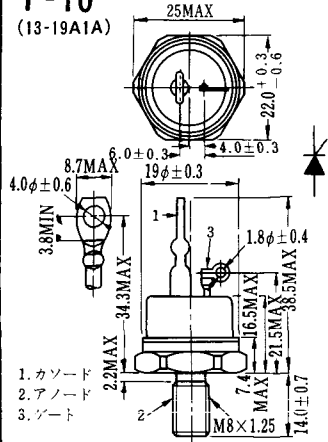


G: Gate

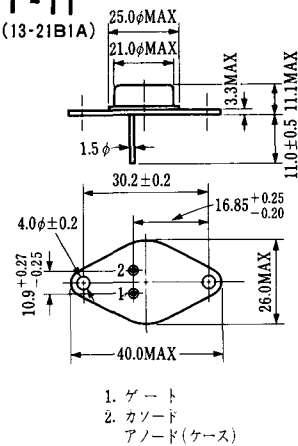
T-9 (13-14A1A)



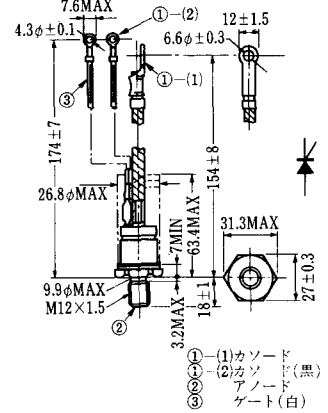
T-10 (13-19A1A)



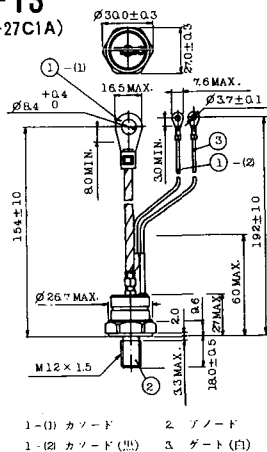
T-11 (13-21B1A)



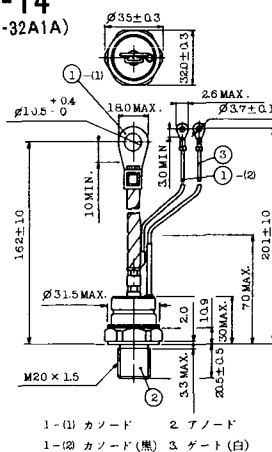
T-12 (13-27B1B)



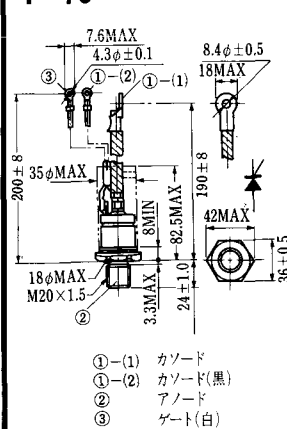
T-13 (13-27C1A)



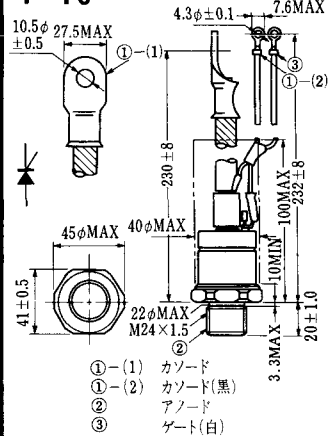
T-14 (13-32A1A)



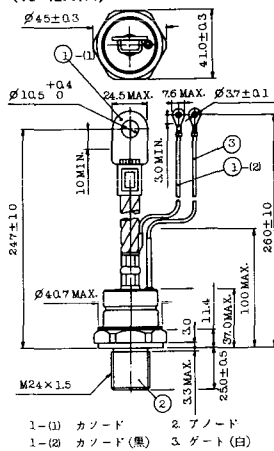
T-15 (13-35C1B)



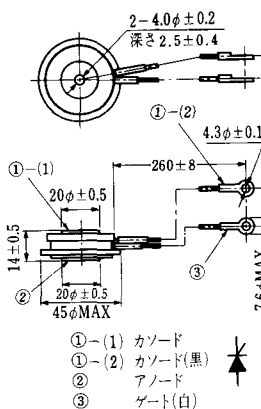
T-16 (13-40B1A)



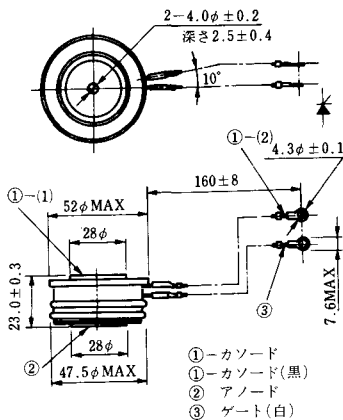
T-17 (13-42A1A)



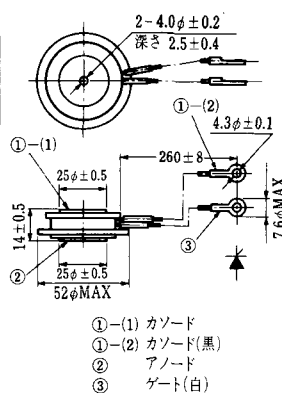
T-18 (13-45D1A)



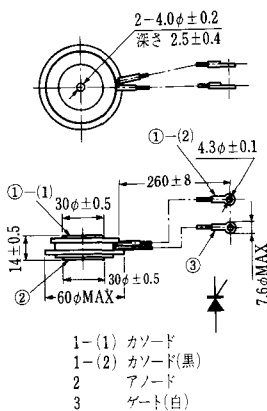
T-19 (13-52B1A)



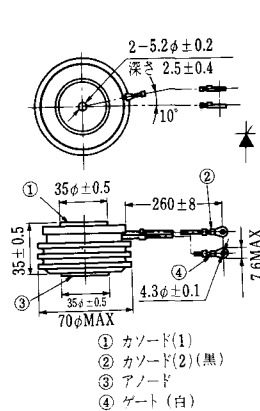
T-20 (13-52C1A)



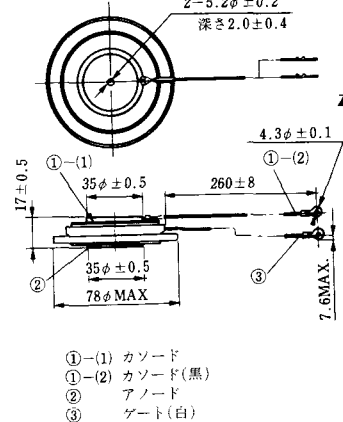
T-21 (13-60A1A)



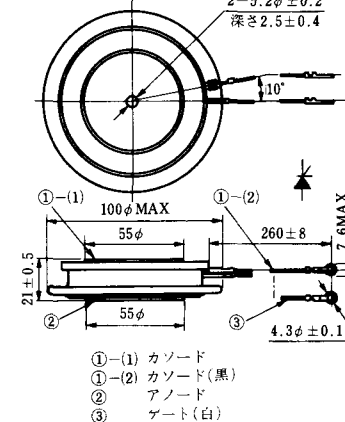
T-22 (13-70C1A)



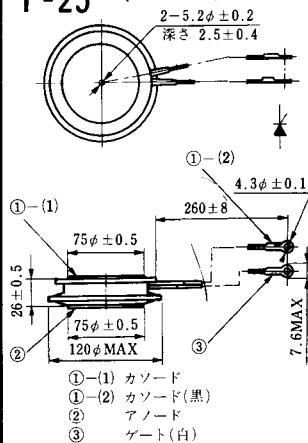
T-23 (13-78A1A)



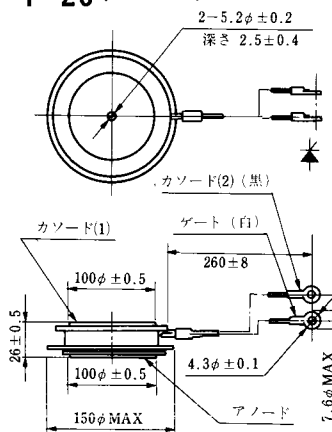
T-24 (13-100C1A)



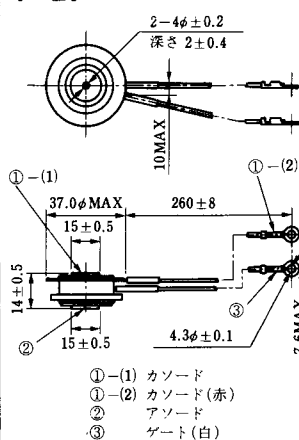
T-25 (13-120A2A)



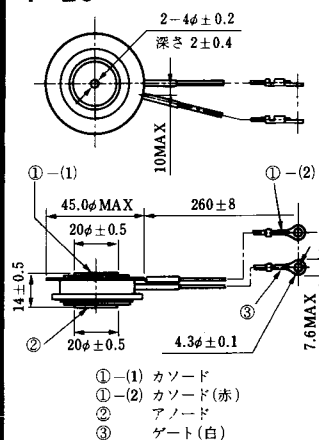
T-26 (13-150A1A)



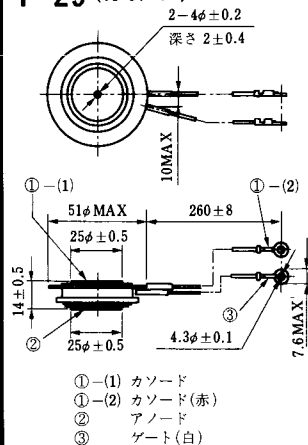
T-27 (13-37A1A)



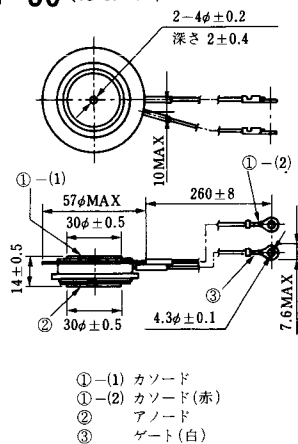
T-28 (13-45E1A)



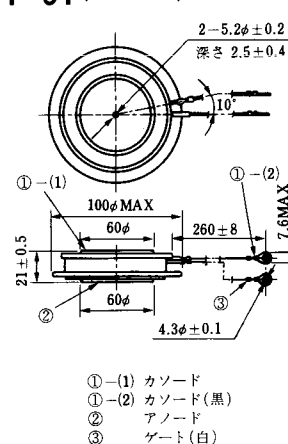
T-29 (13-51A1A)



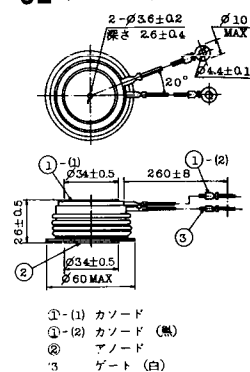
T-30 (13-57A1A)



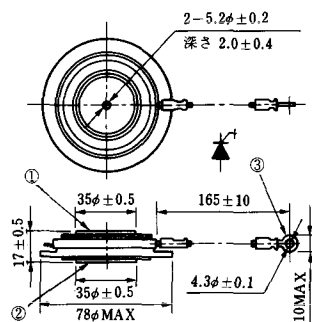
T-31 (13-100E1A)



T-32 (13-60E3A)

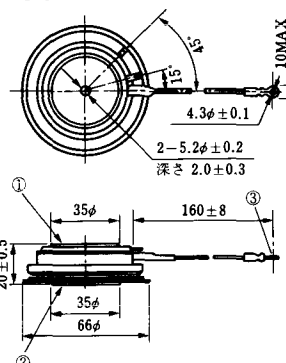


T-33 (13-78B1A)



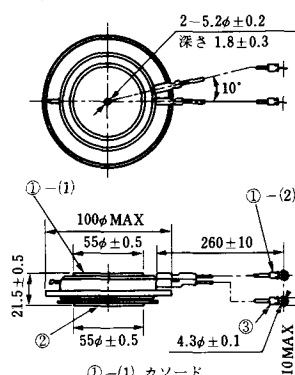
- ① カソード
- ② アノード
- ③ ゲート

T-34 (13-66A1A)



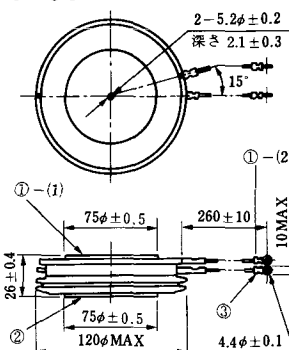
- ① カソード
- ② アノード
- ③ ゲート

T-35 (13-100D1A)



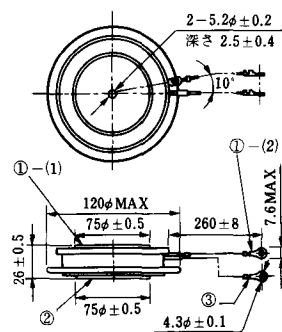
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-36 (13-120E1A)



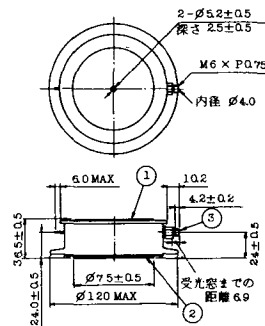
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-37 (13-120A1A)



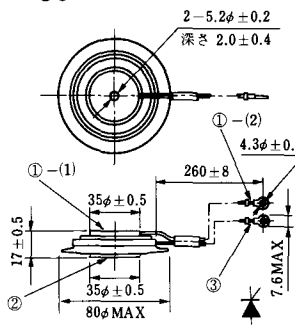
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-38 (13-120C1A)



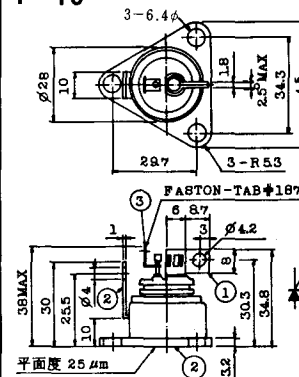
- ① カソード
- ② アノード
- ③ ゲート

T-39 (13-80B1A)



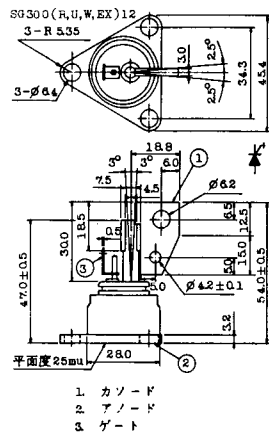
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-40 (13-28A1A)

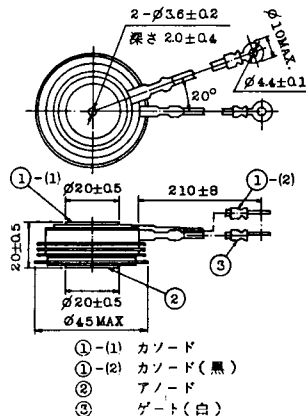


- 1. カソード
- 2. アノード
- 3. ゲート

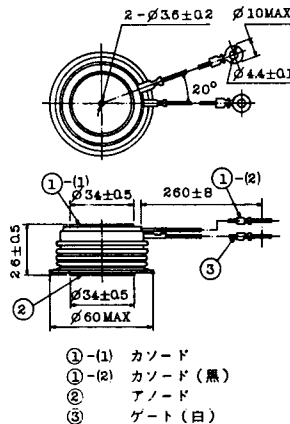
T-41 (13-28A2A)



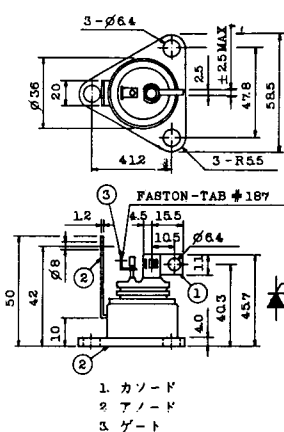
T-42 (13-45F1A)



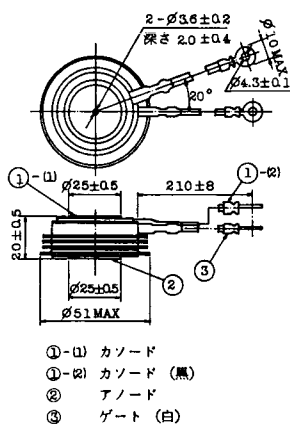
T-43 (13-60E2A)



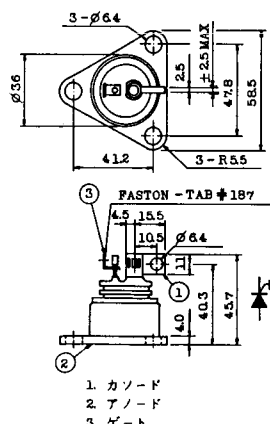
T-44 (13-36A1A)



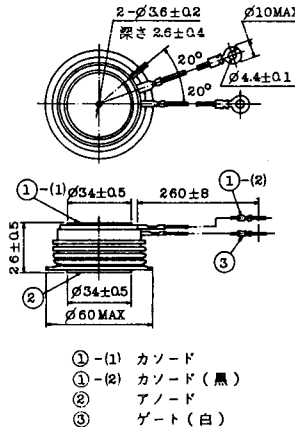
T-45 (13-51B1A)



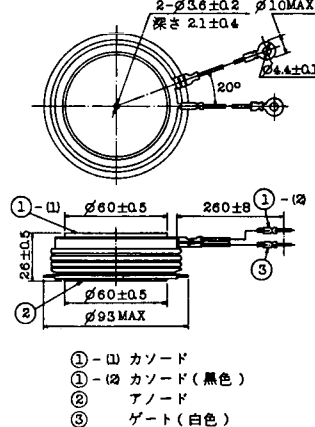
T-46 (13-36B1A)



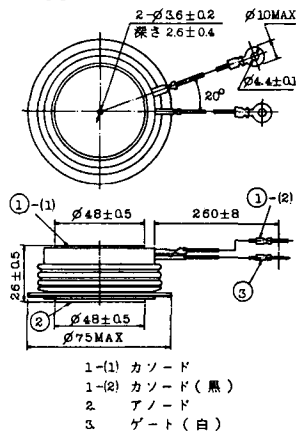
T-47 (13-60E1A)



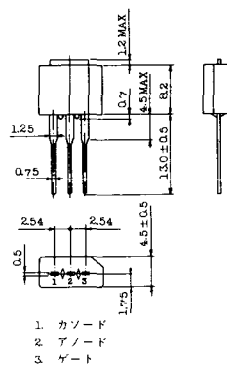
T-48 (13-93C1A)



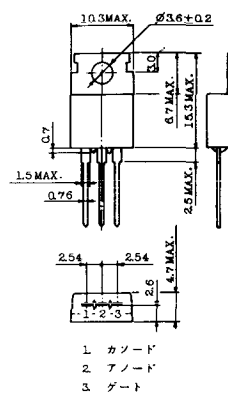
T-49 (13-75A1A)



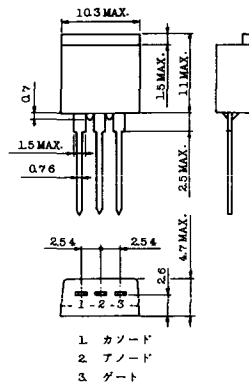
T-50 (13-10A3A)



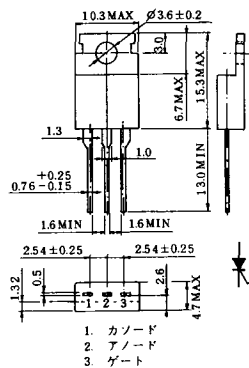
T-51 (13-10D1A)



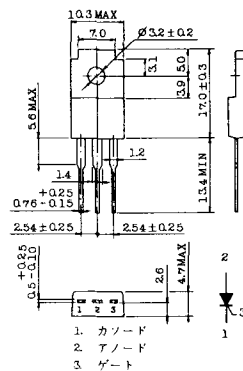
T-52 (13-10D2A)



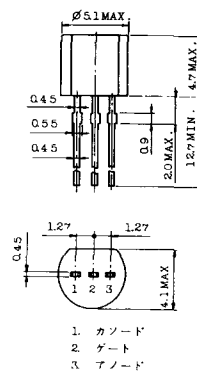
T-53 (13-10E1B)



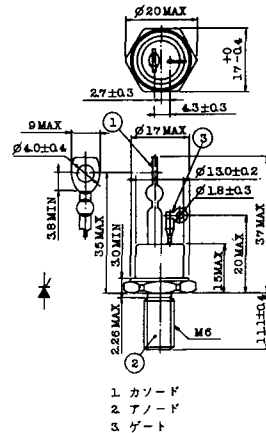
T-54 (13-10F1B)



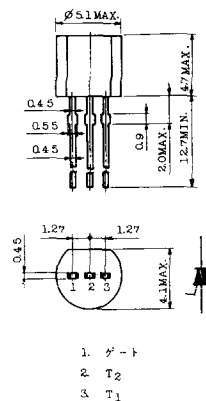
T-55 (13-5A1D)



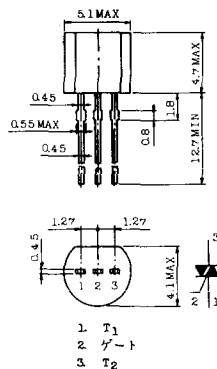
T-56 (13-13C1A)



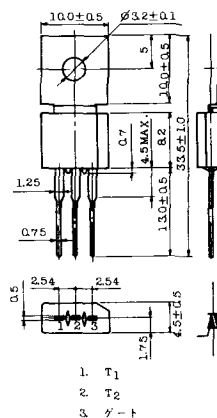
TT-1



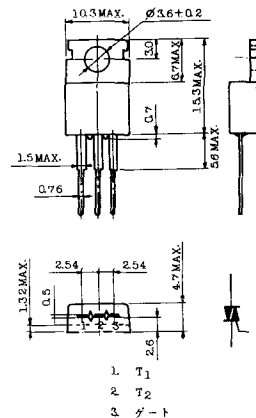
TT-2



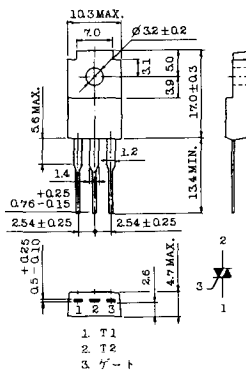
TT-3



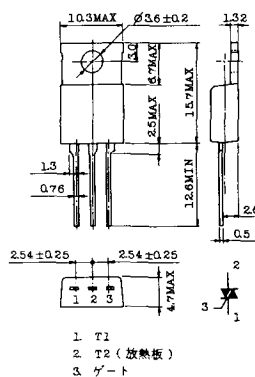
TT-4



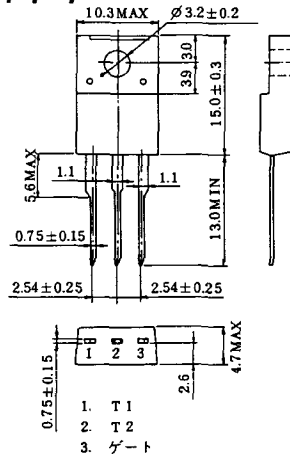
TT-5



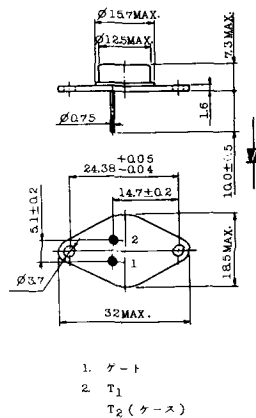
TT-6



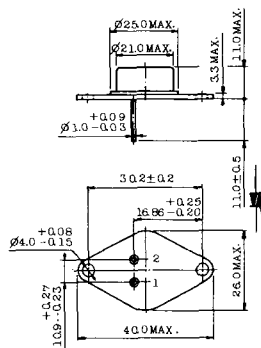
TT-7



TT-8

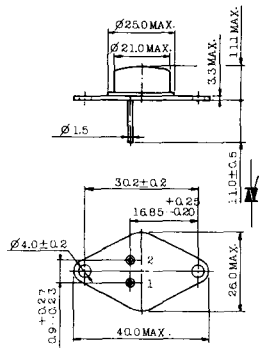


TT-9



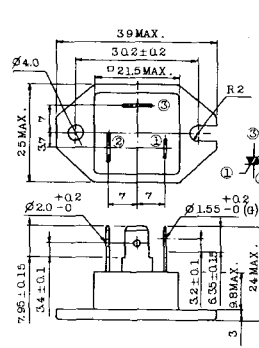
1. ゲート
2. T₁
3. T₂ (ケース)

TT-10



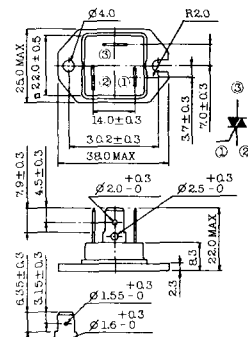
1. ゲート
2. T₁
3. T₂ (ケース)

TT-11



1. ゲート (ファストン端子 #187)
2. T₁ (" #250)
3. T₂ (" #250)

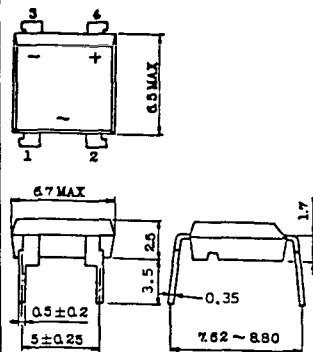
TT-12



ゲート端子詳細

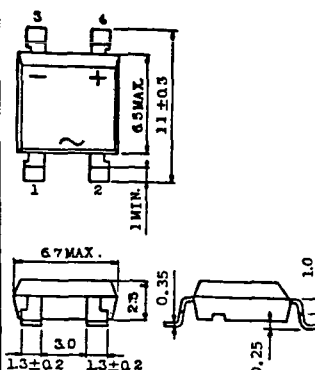
- ① ゲート (ファストン端子 #187)
- ② T₁ (" #250)
- ③ T₂ (" #250)

TT-13



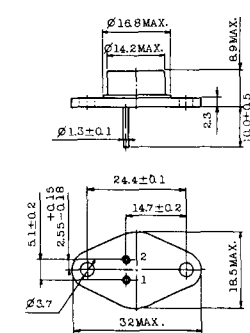
- 1, 2: T₂
- 3: GATE
- 4: T₁

TT-14



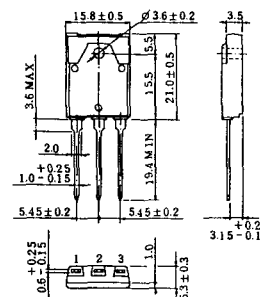
- 1, 2: T₂
- 3: GATE
- 4: T₁

TT-15 (13-14A1B)



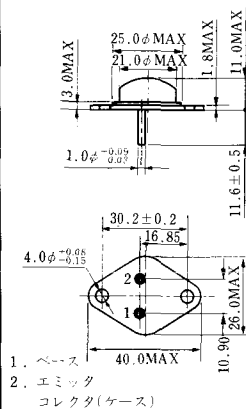
1. ゲート
2. T₁
- T₂ (ケース)

TT-16 (13-16A1A)

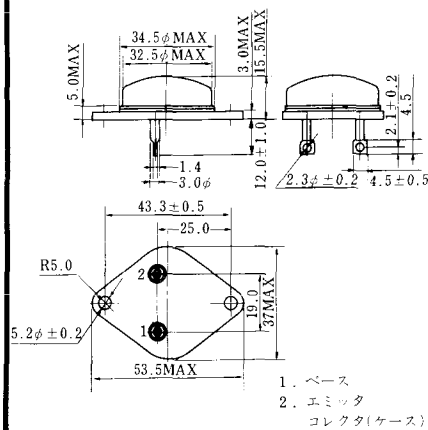


1. T₁
2. T₂
3. ゲート

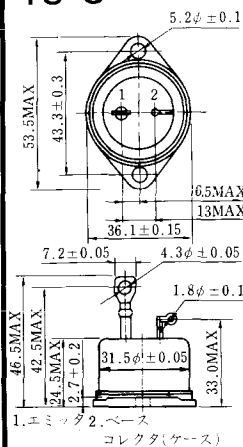
TS-1



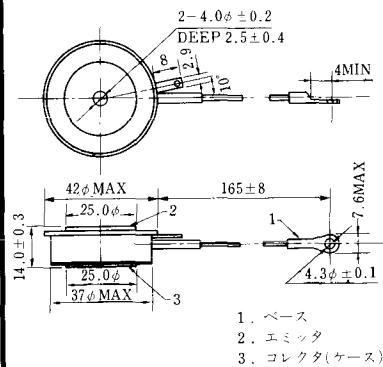
TS-2



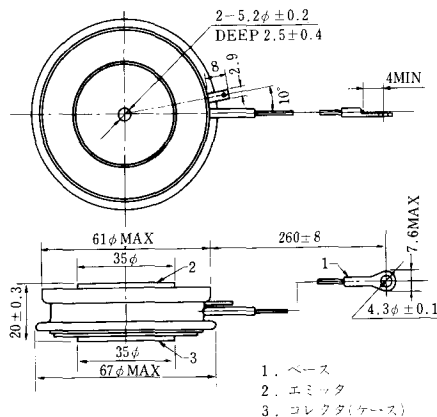
TS-3



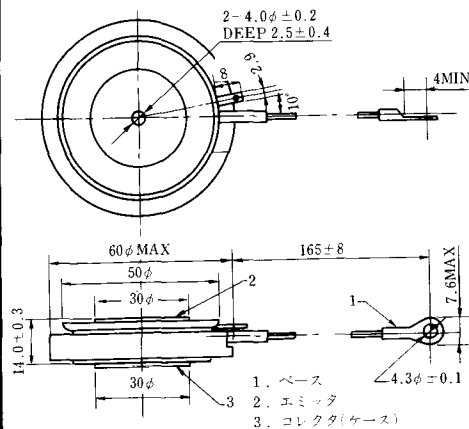
TS-4



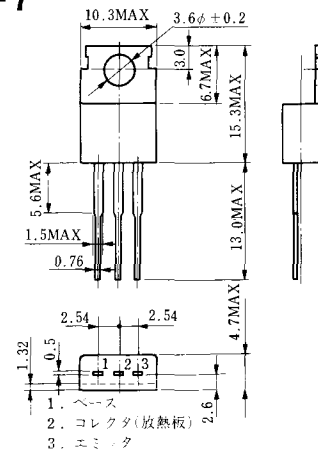
TS-5

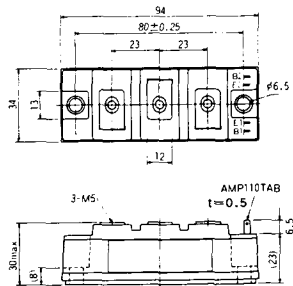
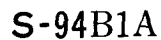
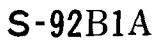
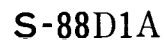
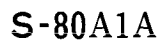


TS-6

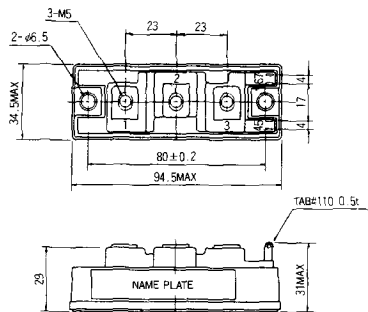


TS-7

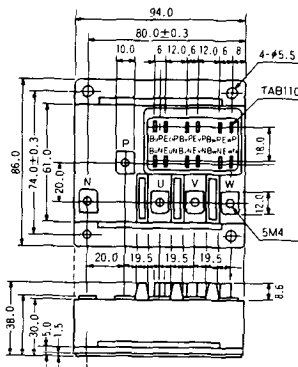




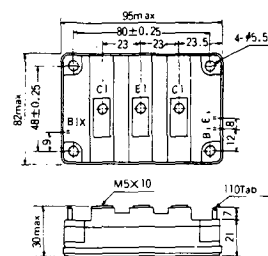
S-94B2A



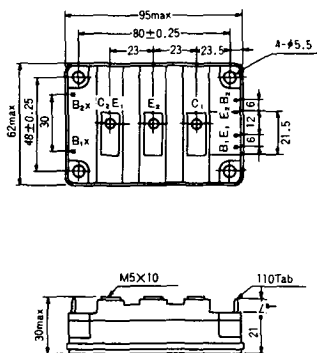
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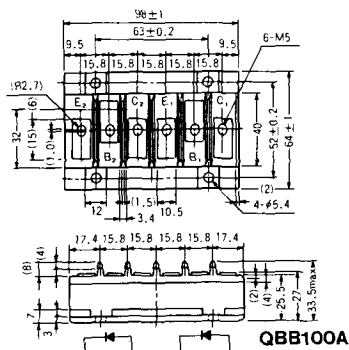
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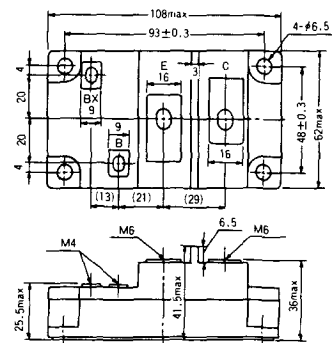
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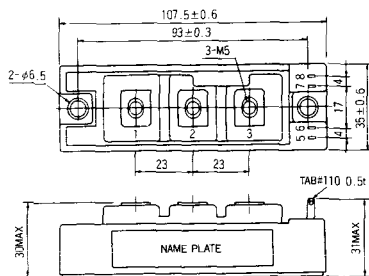
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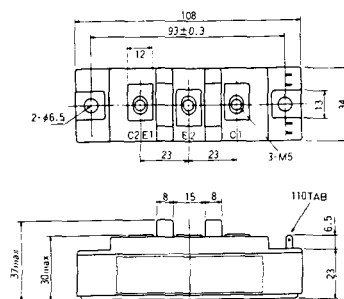
S-108A2A



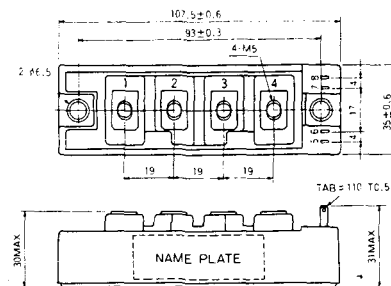
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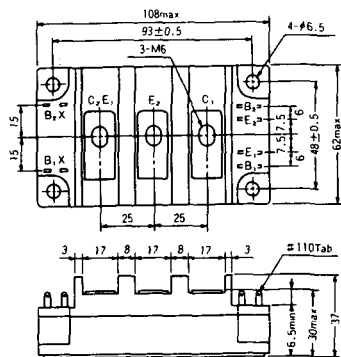
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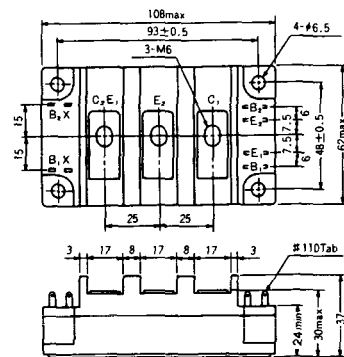
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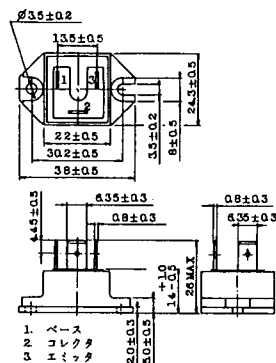
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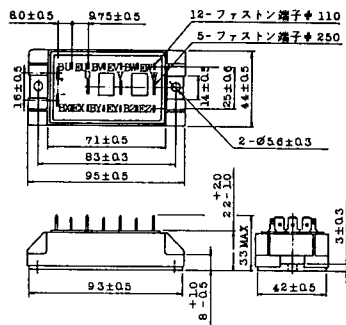
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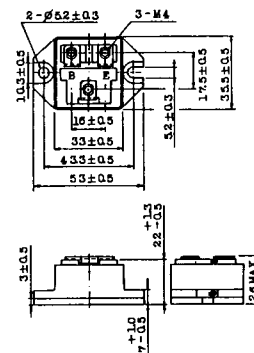
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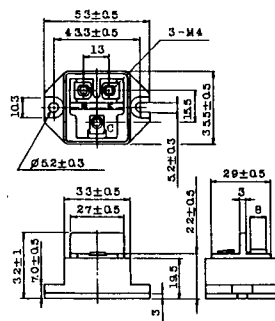
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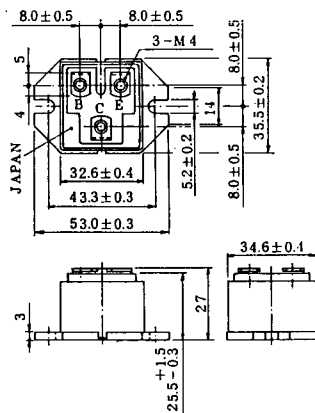
2-33C1A



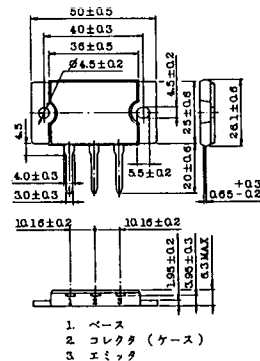
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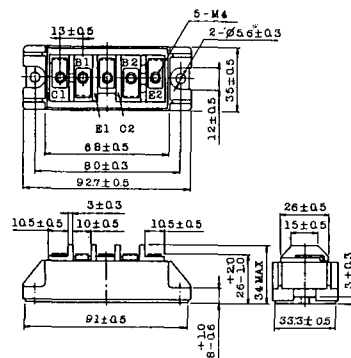
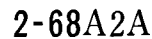
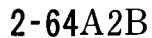
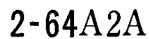
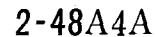
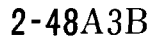


2-33F1A

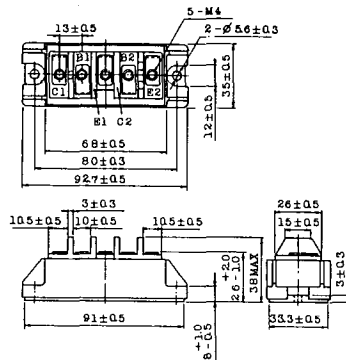


2-37A1A

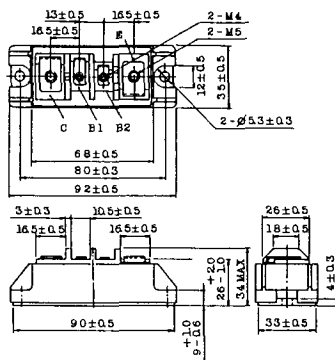




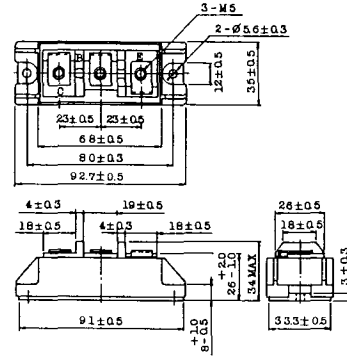
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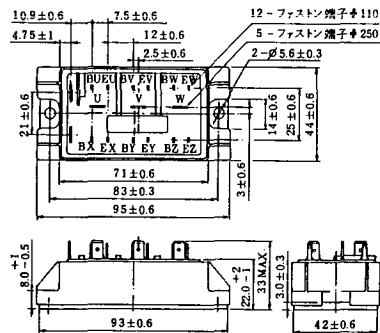
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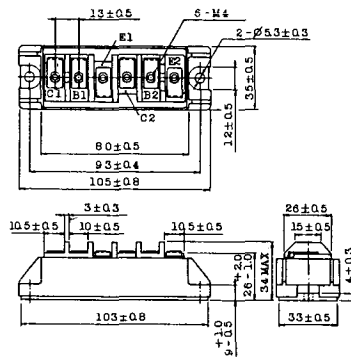
2-68D2A



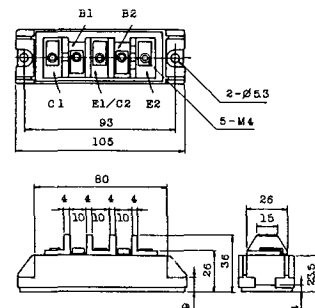
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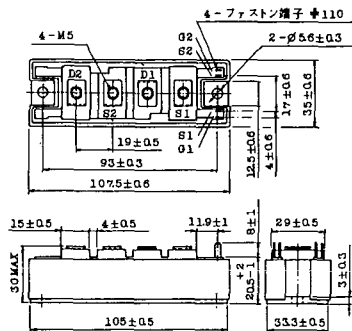
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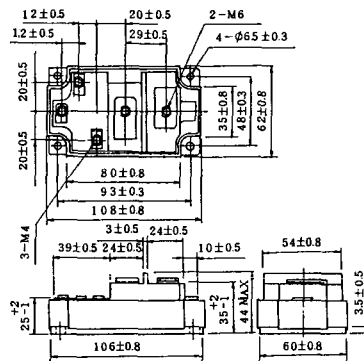
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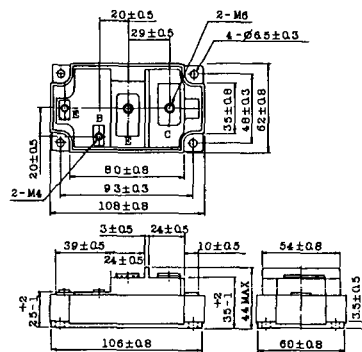
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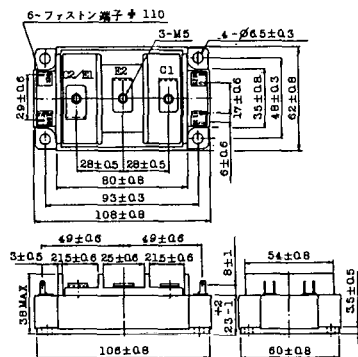
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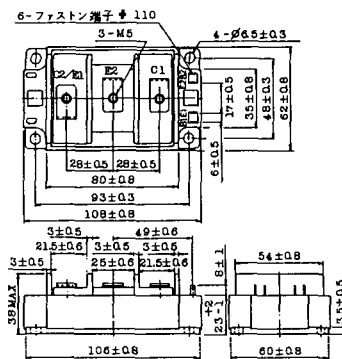
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2-109B3A

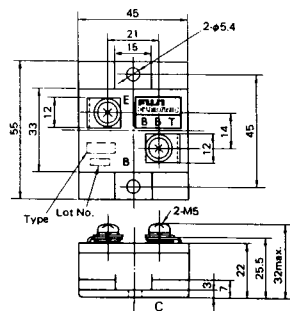


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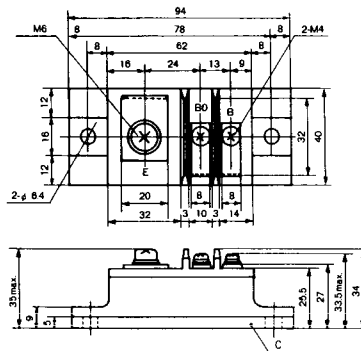
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BBTII
1D200A-020



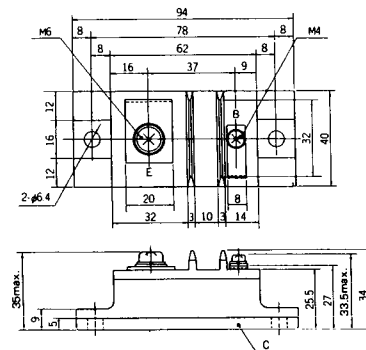
BBT-III

BBTIII
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ETN36-030
ETN36-030
ETN35-030



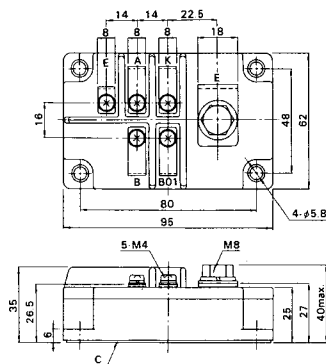
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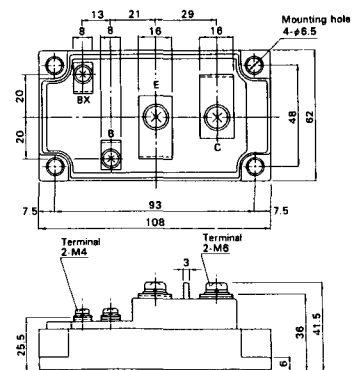
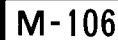
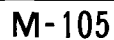
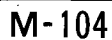
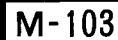
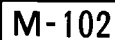
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ET1257



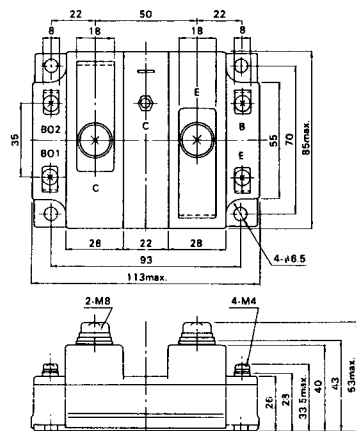
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BBTIV
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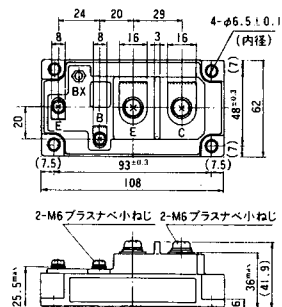




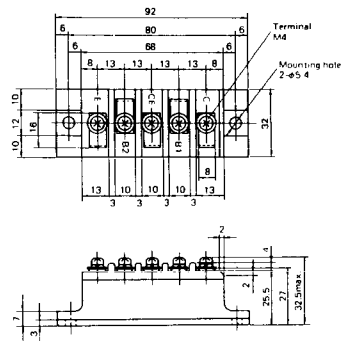
M-107



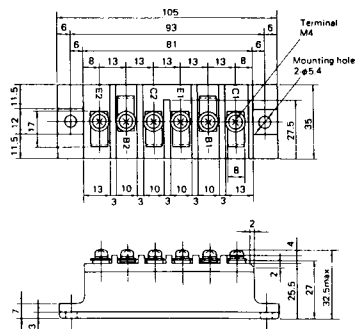
M-116



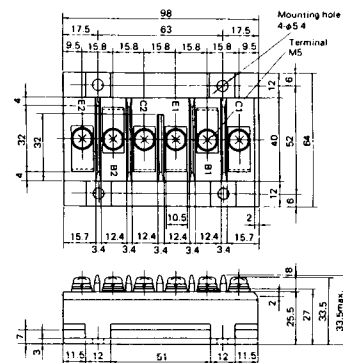
M-201



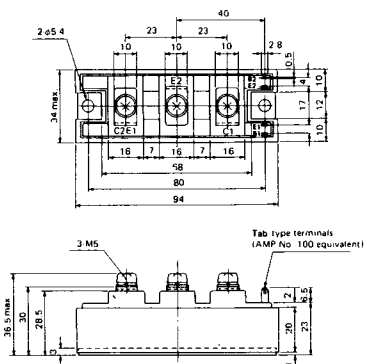
M-202



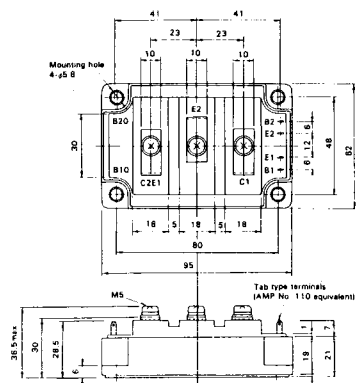
M-203



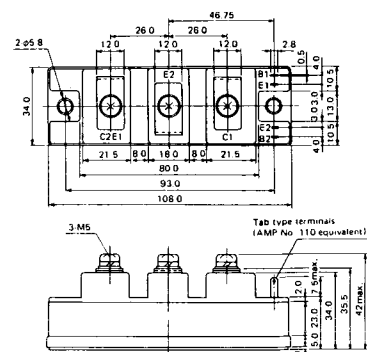
M-204



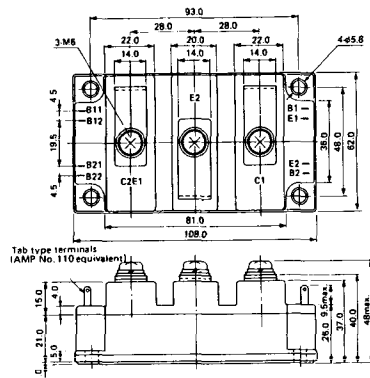
M-205



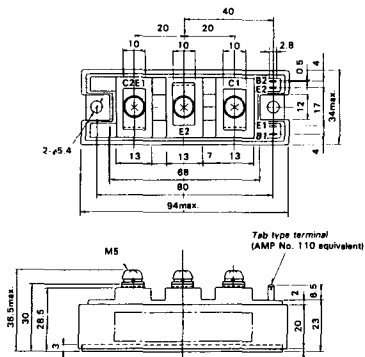
M-206



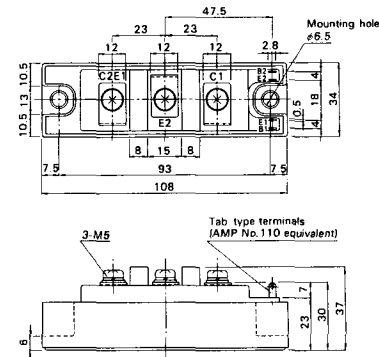
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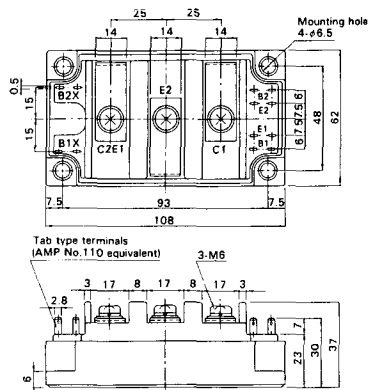
M-208



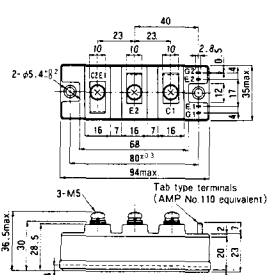
M-209



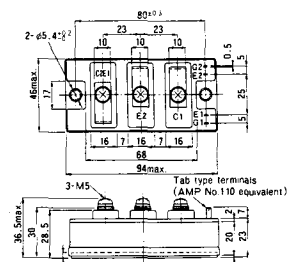
M-210

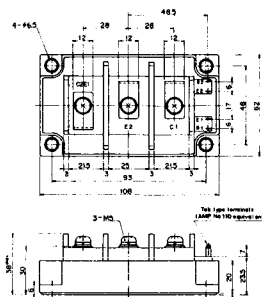
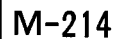


M-211



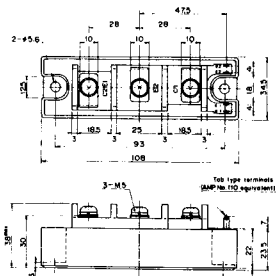
M-212



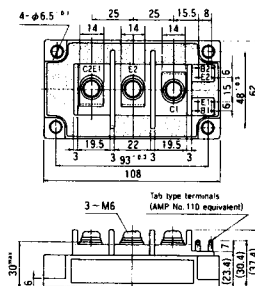


M-215

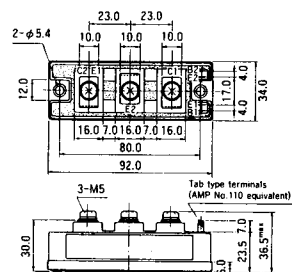
M-216



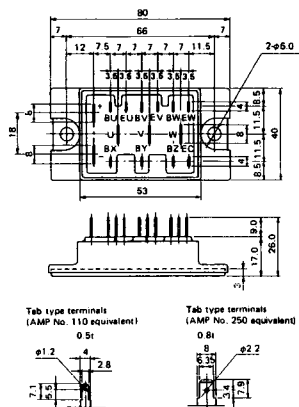
M-217



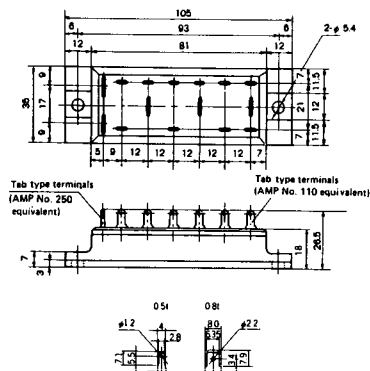
M-218



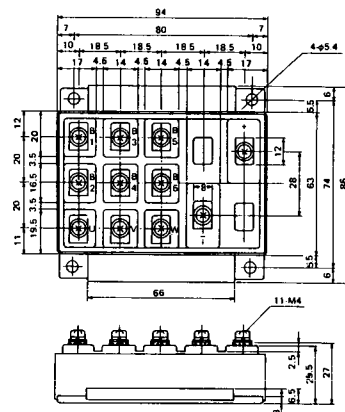
M-601



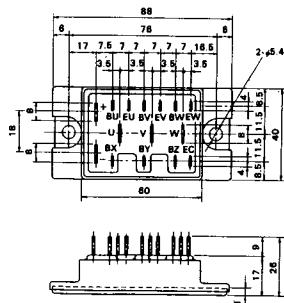
M-602



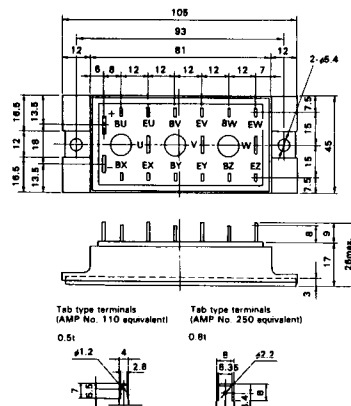
M-603



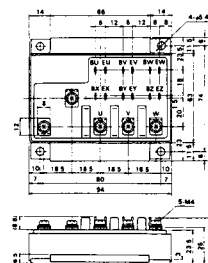
M-604



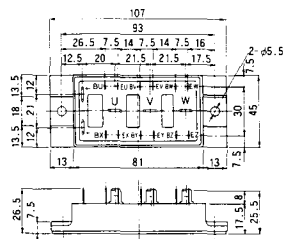
M-605



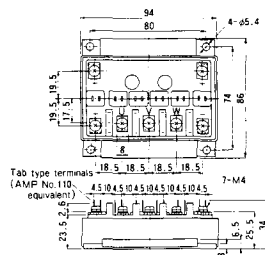
M-606



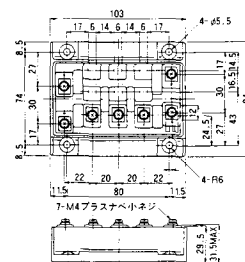
M-607



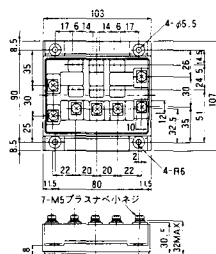
M-608



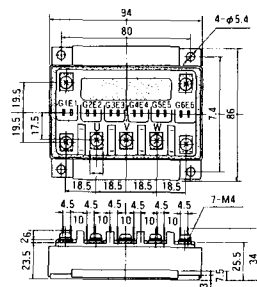
M-609



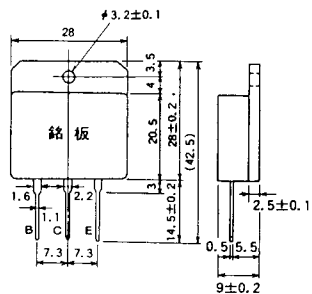
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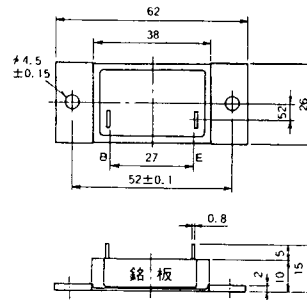
M-616



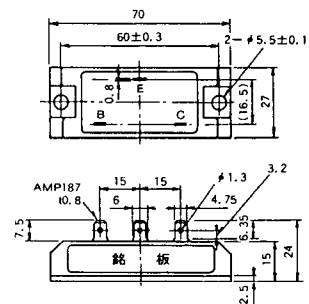
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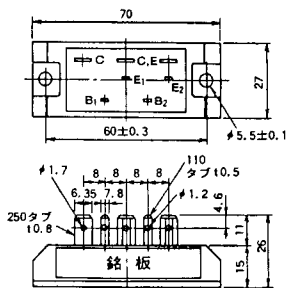
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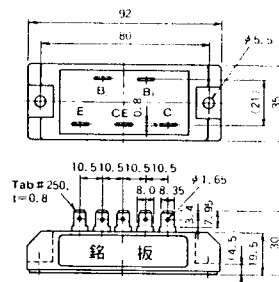
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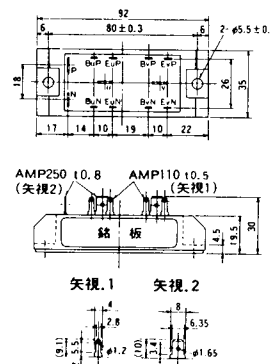
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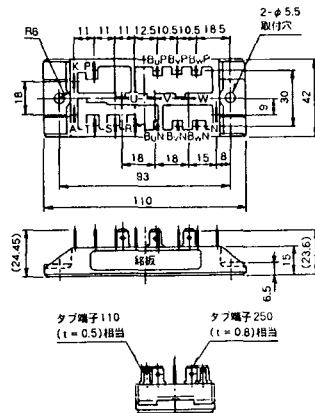
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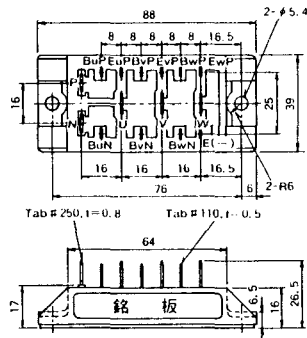
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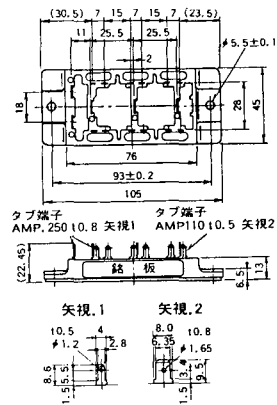
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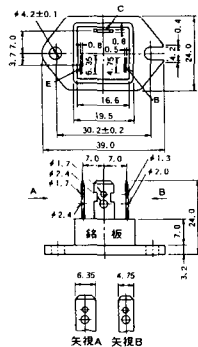
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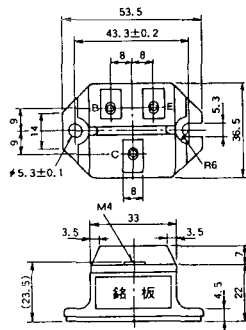
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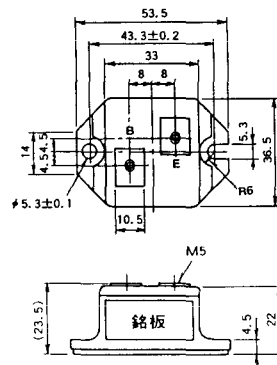
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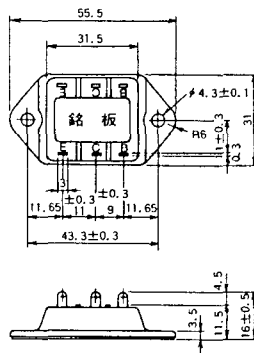
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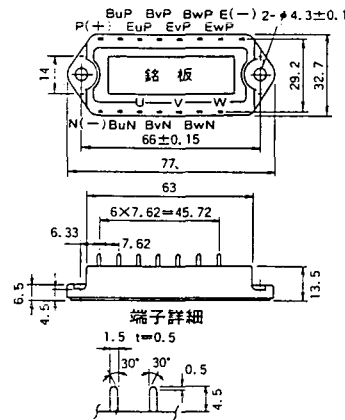
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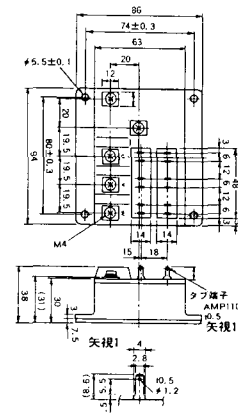
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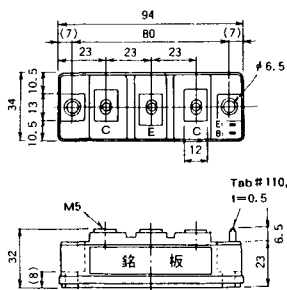
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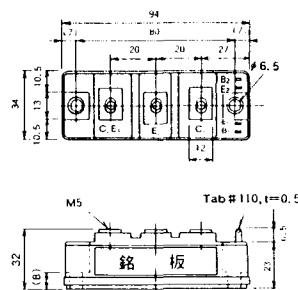
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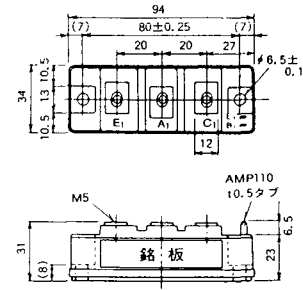
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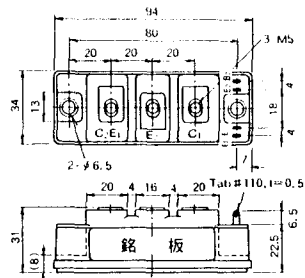
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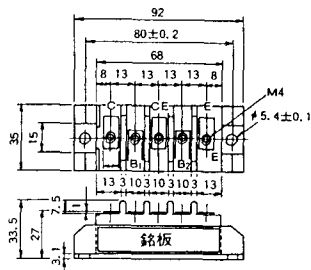
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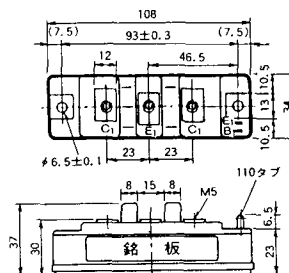
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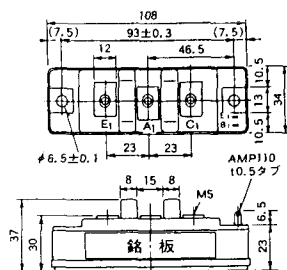
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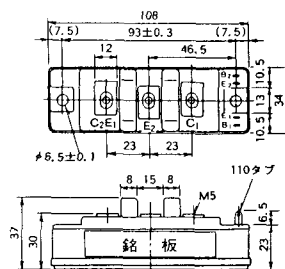
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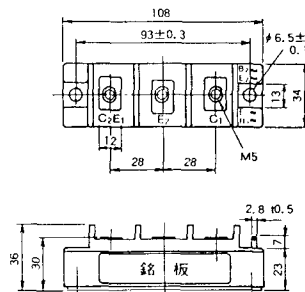
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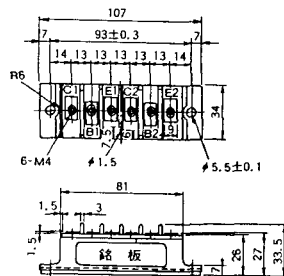
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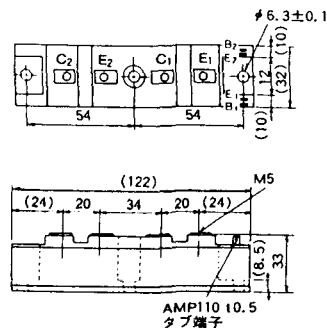
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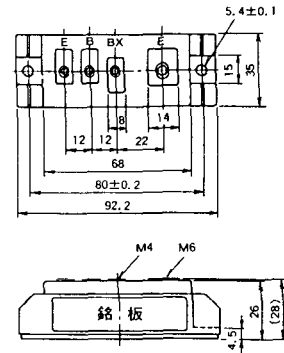
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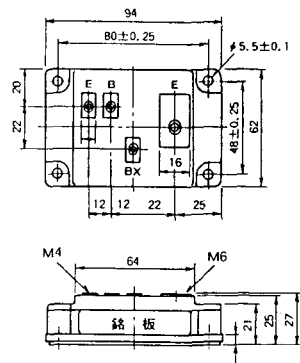
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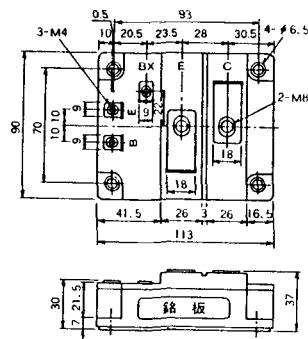
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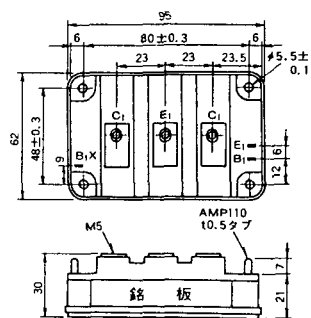
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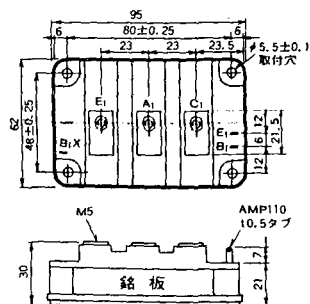
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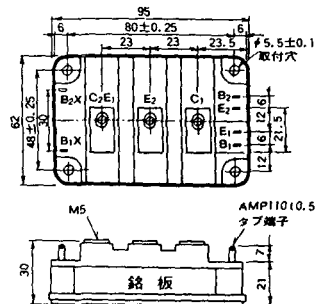
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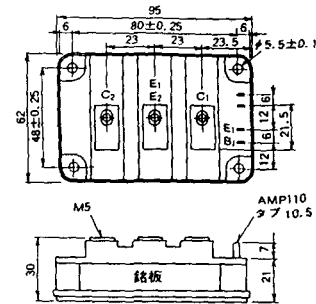
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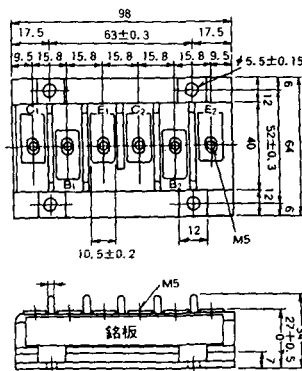
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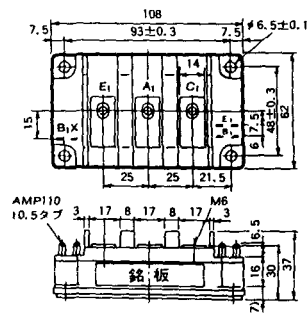
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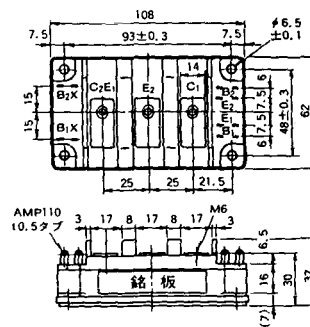
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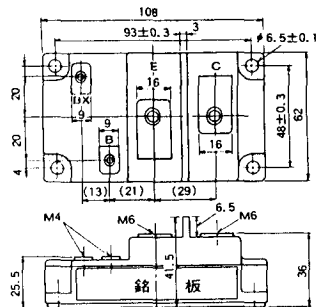
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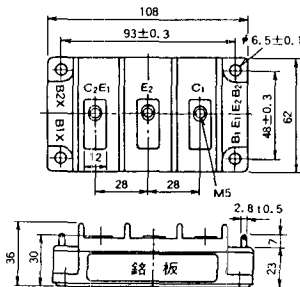
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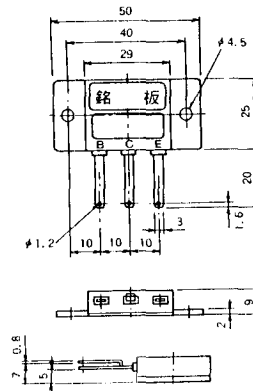
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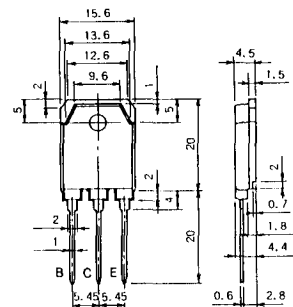
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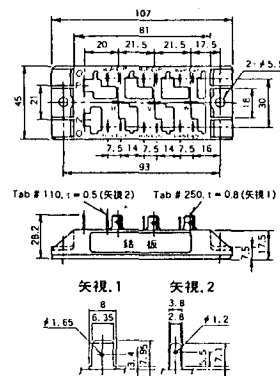
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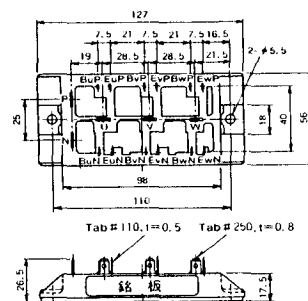
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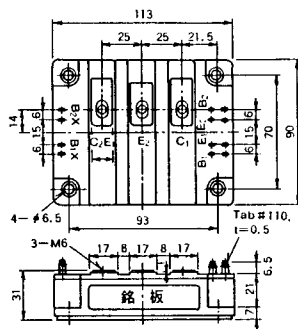
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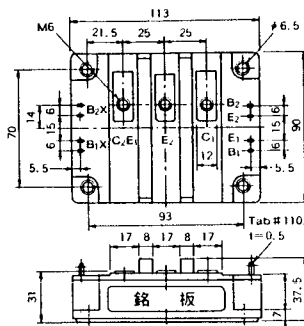
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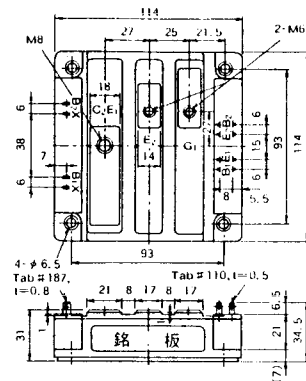
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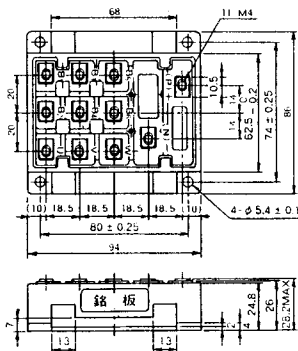
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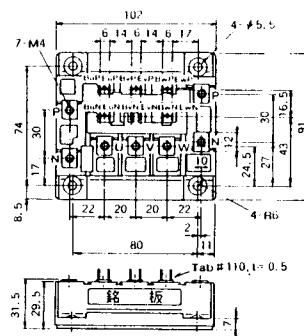
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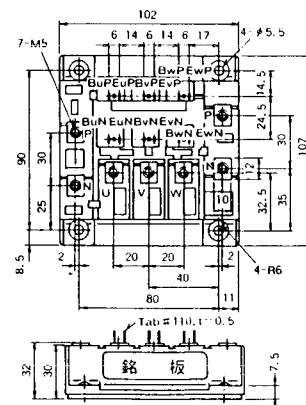
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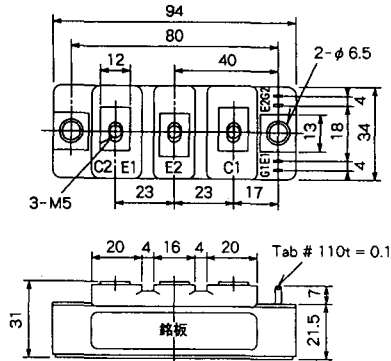
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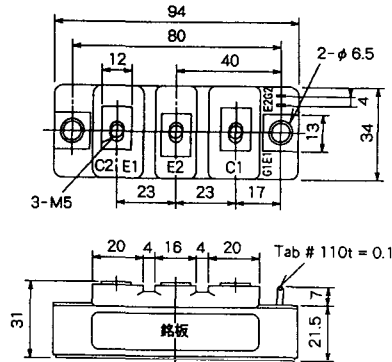
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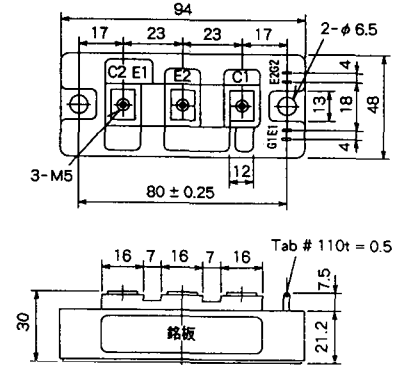
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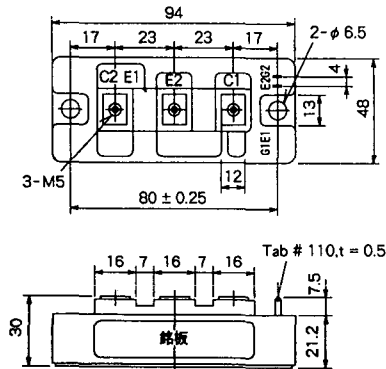
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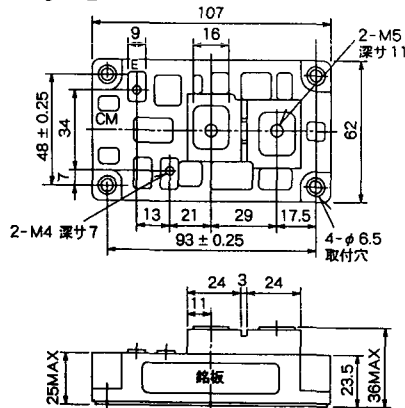
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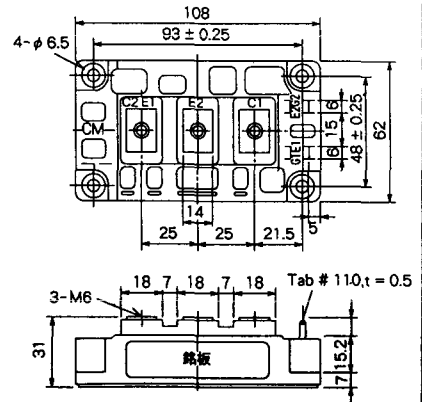
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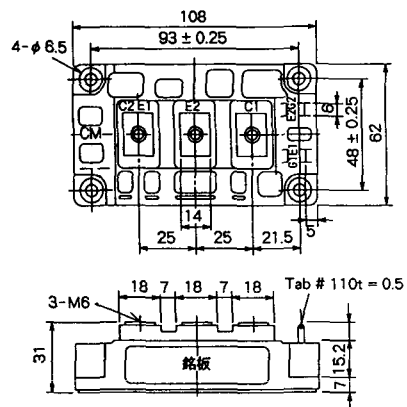
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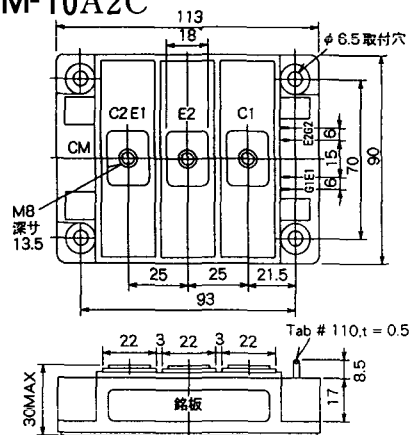
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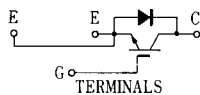
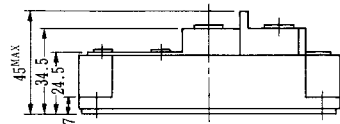
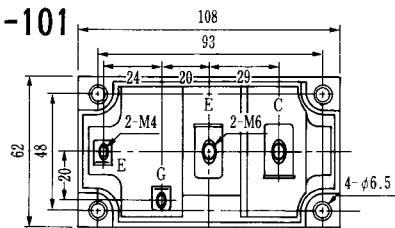
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M-10A2C



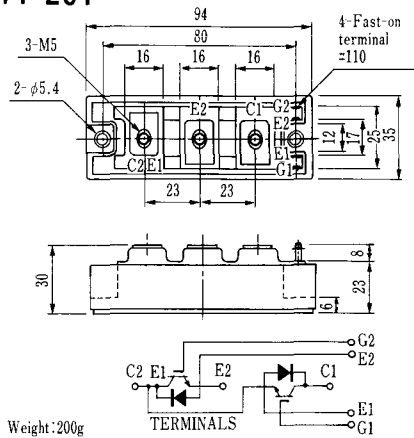
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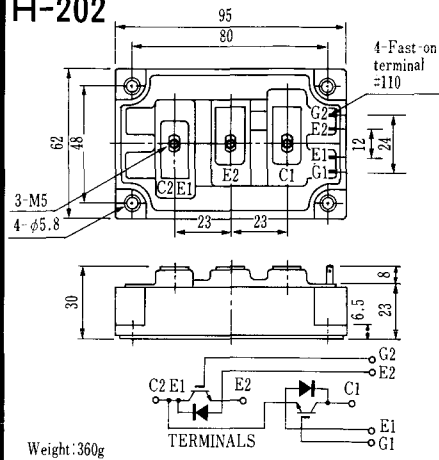
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TERMINALS

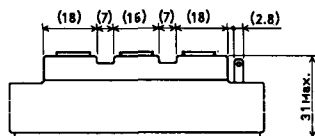
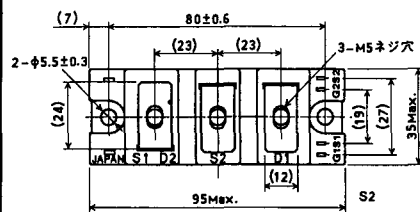
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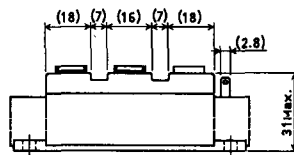
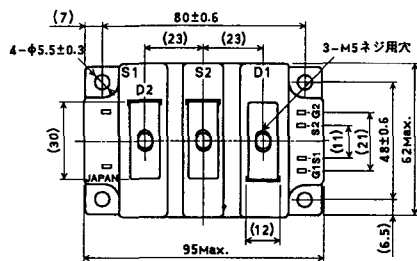
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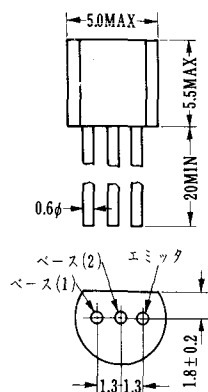
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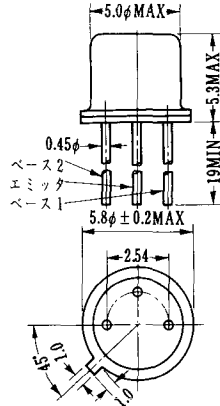
LF-K



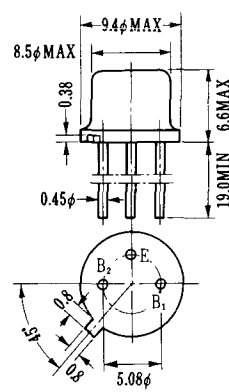
U-1



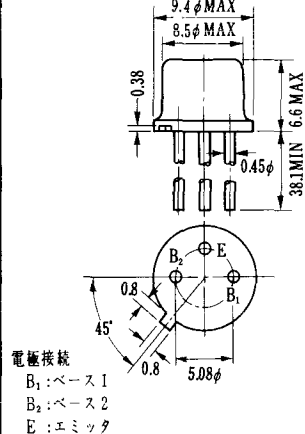
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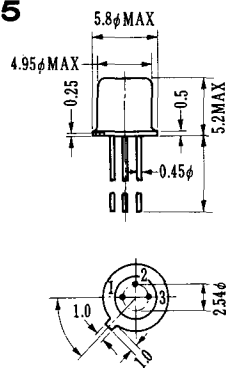
U-3



U-4

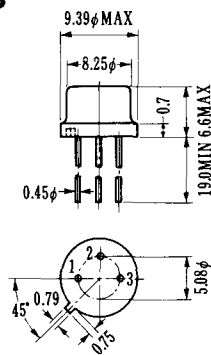


U-5



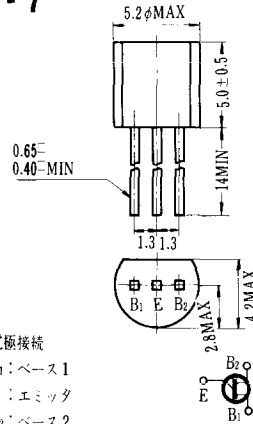
1. BASE1
2. EMITTER
3. BASE2 (CASE)

U-6



1. BASE(2)
2. EMITTER
3. BASE(1)

U-7



U-8

