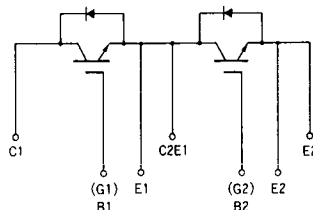


トランジスタ・モジュール [シリコンNチャネル IGBT, ダブルアーム (直列接続)]

- ・ MOSゲート構造
- ・ フリーホイール・ダイオード付
- ・ 絶縁形
- ・ UL認定品あり

E 8 2 9 8 8 (M)

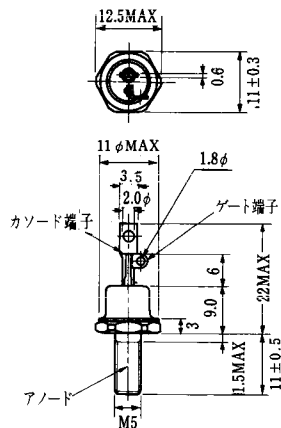
■等価回路



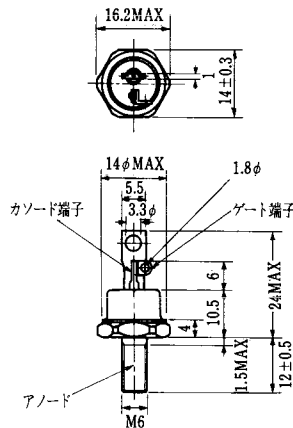
注1. $T_c = 25^\circ\text{C}$. 注2. A.C. 1分間。

型 名	最 大 定 格										電 気 的 特 性 ($T_c = 25^\circ\text{C}$)													
	V_{CES}	V_{GES}	I_c	I_{CP} (1ms)	I_F	I_{FM} (1ms)	P_c (注1)	T_j	T_{stg}	V_{iso} (注2)	I_{GES} (nA)	I_{CES} (mA)	V_{CE} (V)	V_{CES} (V)	I_c (mA)	$V_{GE(Off)}$ (V)	V_{CE}	I_c	$V_{CE(SAT)}$	V_{GE}	I_c	I_c	I_c	I_c
	(V)	(V)	(A)	(A)	(A)	(A)	(W)	($^\circ\text{C}$)	($^\circ\text{C}$)	(V)	最大	最大	最大	最小	最大	最小	最大	最大	最大	最大	最大	最大	最大	最大
	(V)	(V)	(A)	(A)	(A)	(A)	(W)	($^\circ\text{C}$)	($^\circ\text{C}$)	(V)	最大	最大	最大	最小	最大	最小	最大	最大	最大	最大	最大	最大	最大	最大
2MB125F-120	1200	± 20	25	50	25	50	220	150	-40~125	2500	± 100	± 20	1.0	1200		3	6	20	25	2.5	15	25		
2MB125L-120	1200	± 20	25	50	25	50	250	150	-40~125	2500	± 100	± 20	1.0	1200		3	6	20	25	3.5	15	25		
2MB150F-060	600	± 20	50	100	50	100	220	150	-40~125	2500	± 100	± 20	1.0	600		3	6	20	50	2.5	15	50		
2MB150L-060	600	± 20	50	100	50	100	250	150	-40~125	2500	± 100	± 20	1.0	600		3	6	20	50	3.5	15	50		
2MB150F-120	1200	± 20	50	100	50	100	360	150	-40~125	2500	± 100	± 20	1.0	1200		3	6	20	50	2.5	15	50		
2MB150L-120	1200	± 20	50	100	50	100	400	150	-40~125	2500	± 100	± 20	1.0	1200		3	6	20	50	3.5	15	50		
2MB175F-060	600	± 20	75	150	75	150	290	150	-40~125	2500	± 100	± 20	1.0	600		3	6	20	75	2.5	15	75		
2MB175L-060	600	± 20	75	150	75	150	325	150	-40~125	2500	± 100	± 20	1.0	600		3	6	20	75	3.5	15	75		
2MB175F-120	1200	± 20	75	150	75	150	540	150	-40~125	2500	± 100	± 20	1.0	1200		3	6	20	75	2.5	15	75		
2MB175L-120	1200	± 20	75	150	75	150	600	150	-40~125	2500	± 100	± 20	1.0	1200		3	6	20	75	3.5	15	75		
2MB1100F-060	600	± 20	100	200	100	200	360	150	-40~125	2500	± 100	± 20	1.0	600		3	6	20	100	2.5	15	100		
2MB1100L-060	600	± 20	100	200	100	200	400	150	-40~125	2500	± 100	± 20	1.0	600		3	6	20	100	3.5	15	100		
2MB1100F-120	1200	± 20	100	200	100	200	720	150	-40~125	2500	± 200	± 20	1.0	1200		3	6	20	100	2.5	15	100		
2MB1100L-120	1200	± 20	100	200	100	200	800	150	-40~125	2500	± 200	± 20	1.0	1200		3	6	20	100	3.5	15	100		
2MB1150F-060	600	± 20	150	300	150	300	540	150	-40~125	2500	± 200	± 20	2.0	600		3	6	20	150	2.5	15	150		
2MB1150L-060	600	± 20	150	300	150	300	600	150	-40~125	2500	± 200	± 20	2.0	600		3	6	20	150	3.5	15	150		
2MB1150F-120	1200	± 20	150	300	150	300	1080	150	-40~125	2500	± 200	± 20	1.0	1200		3	6	20	150	2.5	15	150		
2MB1150L-120	1200	± 20	150	300	150	300	1200	150	-40~125	2500	± 200	± 20	2.0	1200		3	6	20	150	3.5	15	150		
2MB1200F-060	600	± 20	200	400	200	400	720	150	-40~125	2500	± 200	± 20	2.0	600		3	6	20	200	2.5	15	200		
2MB1200L-060	600	± 20	200	400	200	400	800	150	-40~125	2500	± 200	± 20	2.0	600		3	6	20	200	3.5	15	200		
2MB1300F-060	600	± 20	300	600	300	600	1080	150	-40~125	2500	± 400	± 20	4.0	600		3	6	20	300	2.5	15	300		
2MB1300L-060	600	± 20	300	600	300	600	1200	150	-40~125	2500	± 400	± 20	4.0	600		3	6	20	300	3.5	15	300		

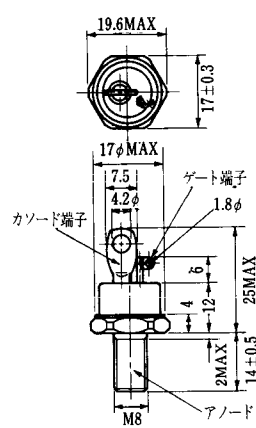
FD-1



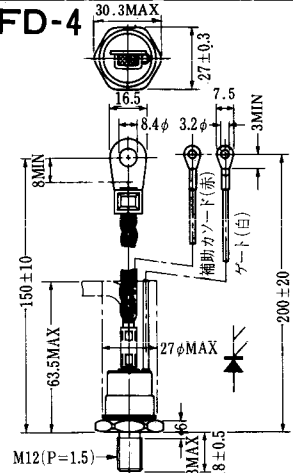
FD-2



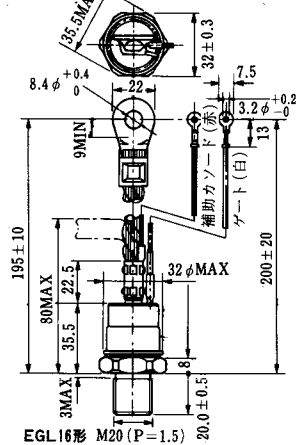
FD-3



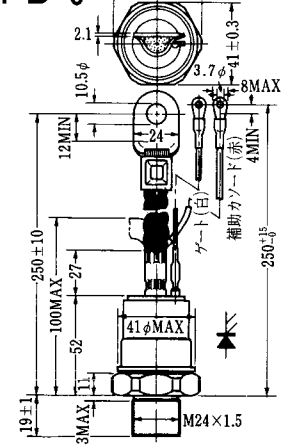
FD-4



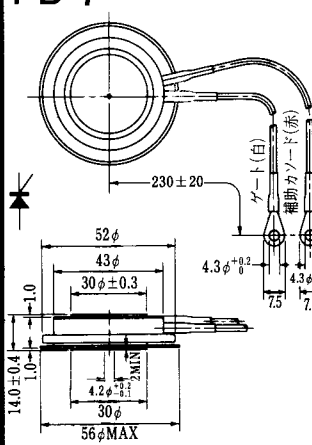
FD-5



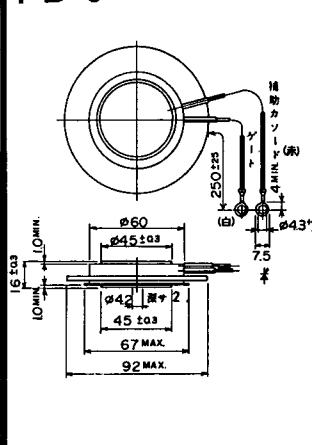
FD-6



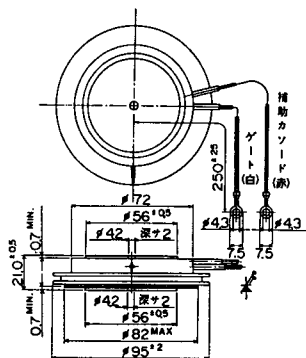
FD-7



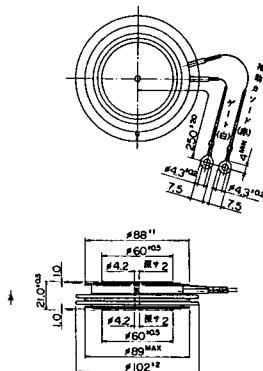
FD-8



FD-9

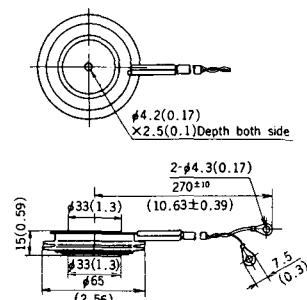
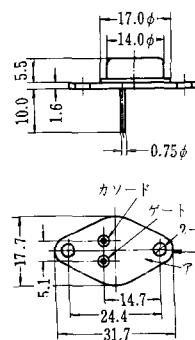
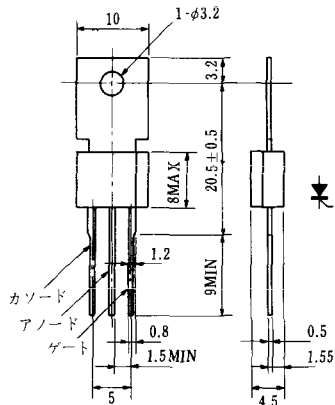


FD-10

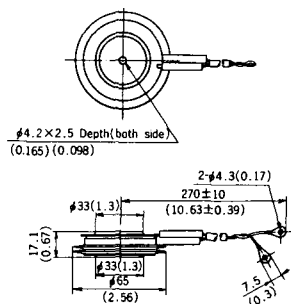


FD-11

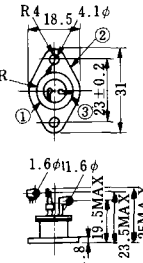
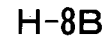
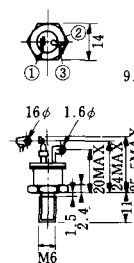
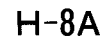
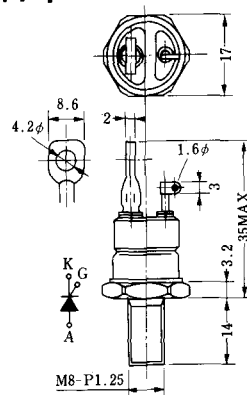
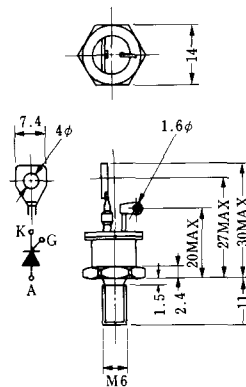
FD-12



Unit in mm(inch)



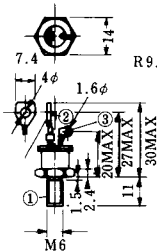
Unit in mm(inch)



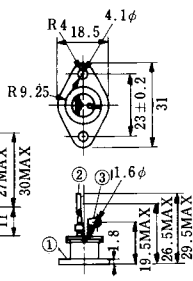
K
C
A

- ①アノード
②カソード
③ゲート

H-9A

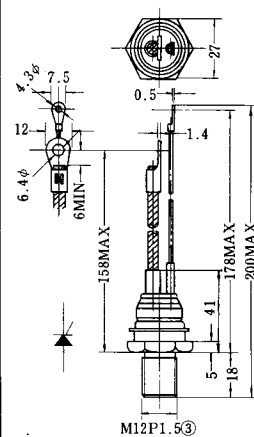


H-9B

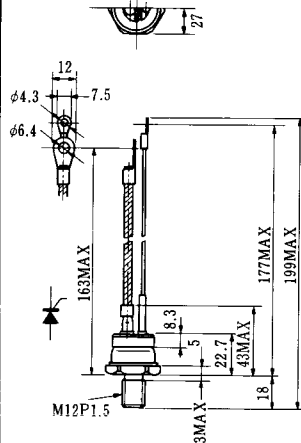


- ① アノード
- ② カソード
- ③ ゲート

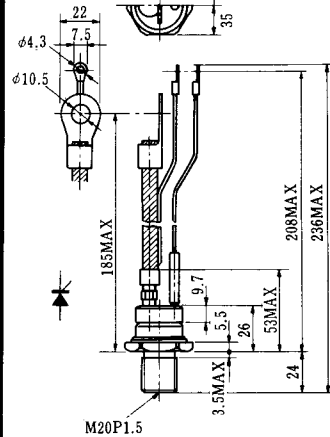
H-10



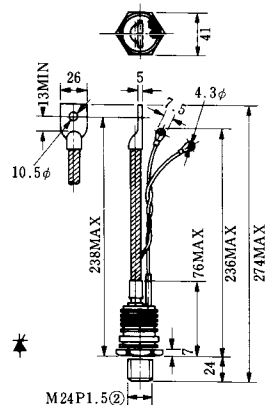
H-11



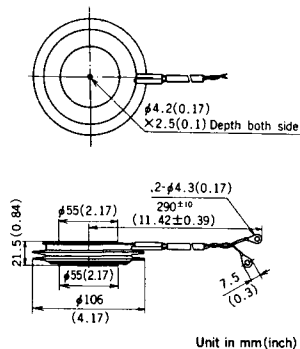
H-12



H-13

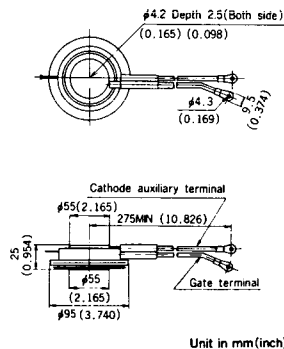


H-14



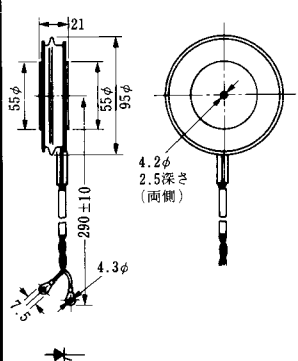
Unit in mm (inch)

H-15

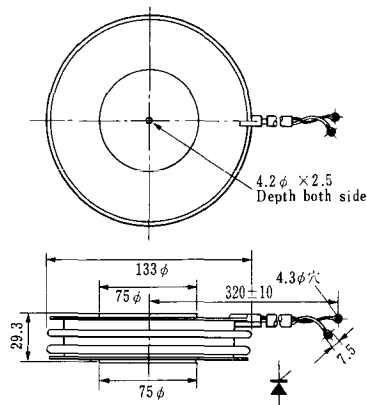


Unit in mm (inch)

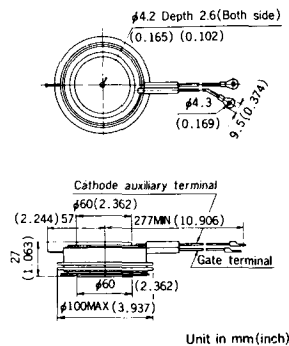
H-16



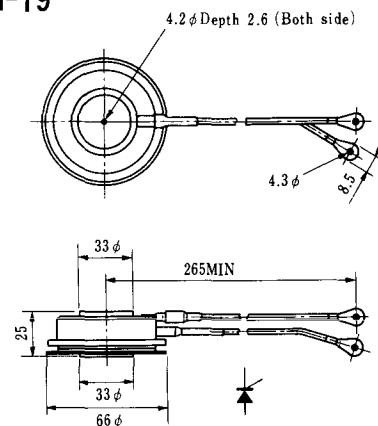
H-17



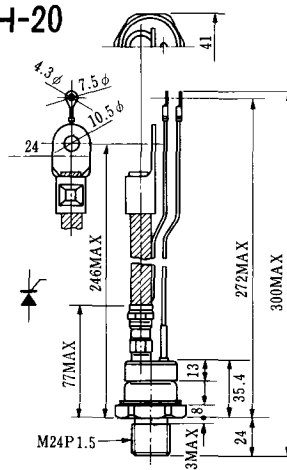
H-18



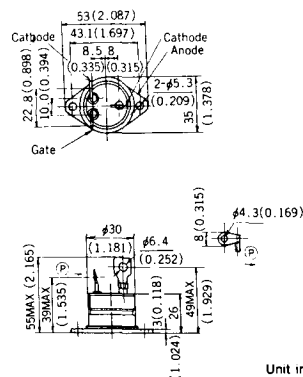
H-19



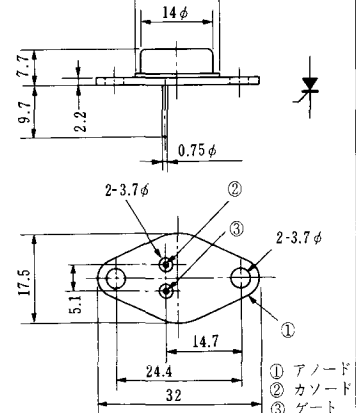
H-20



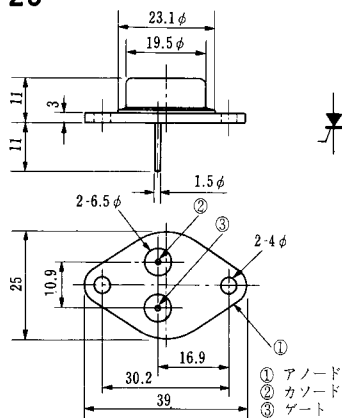
H-21



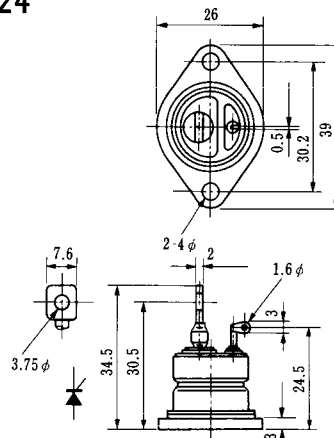
H-22



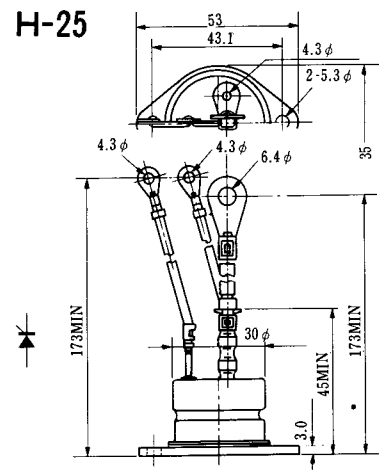
H-23



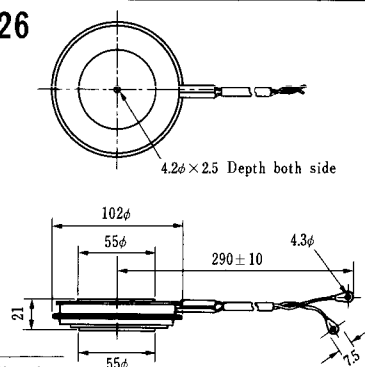
H-24



H-25

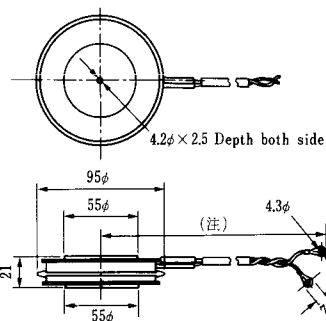


H-26



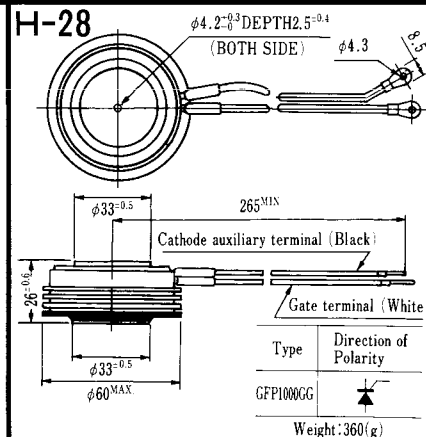
Type	Direction of polarity
CA12	

H-27



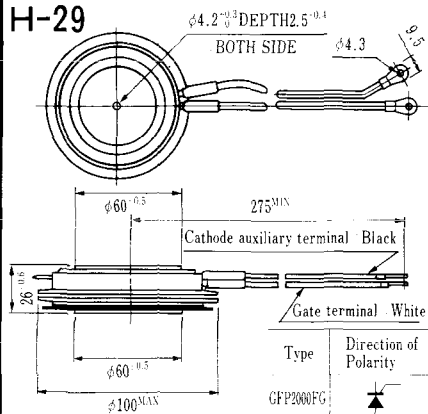
Type	Direction of polarity
CF11V	

H-28



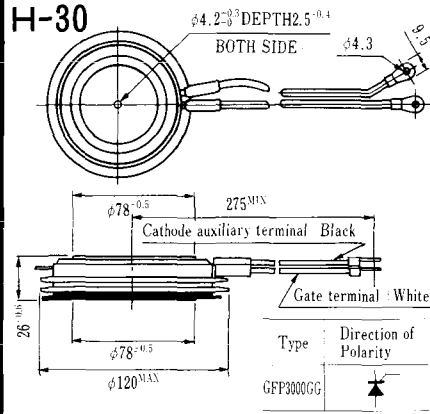
Note: The thickness is a dimension in press at the rated mounting force.

H-29



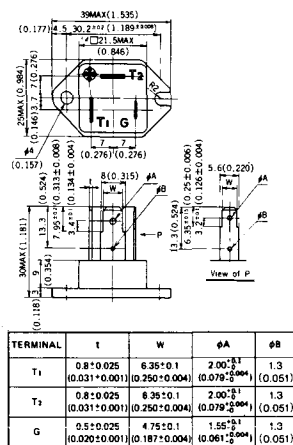
Note : The thickness is a dimension in press at the rated mounting force.

H-30



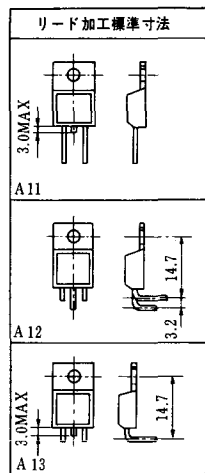
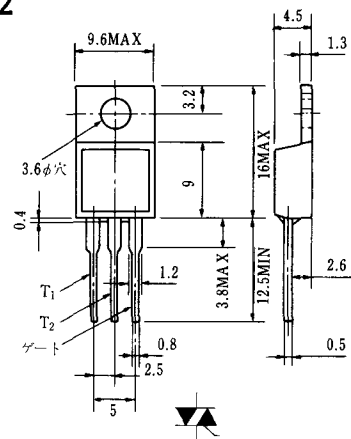
Note : The thickness is a dimension in press at the rated mounting force.

HT-1

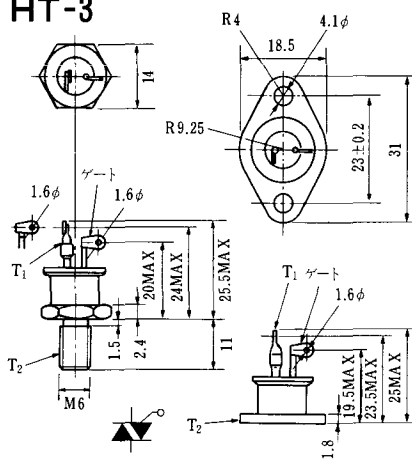


Unit in mm (inch)

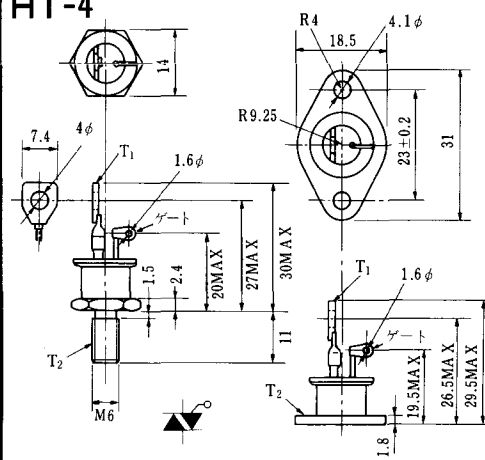
HT-2



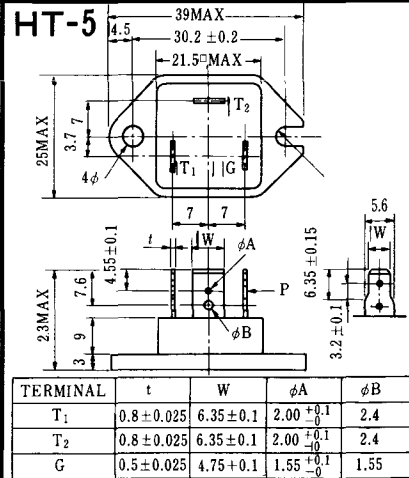
HT-3



HT-4

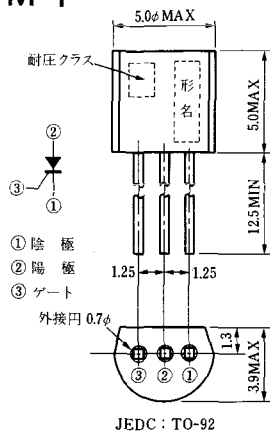


HT-5

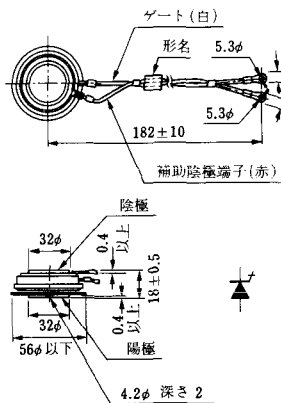


《寸法図単位：mm》

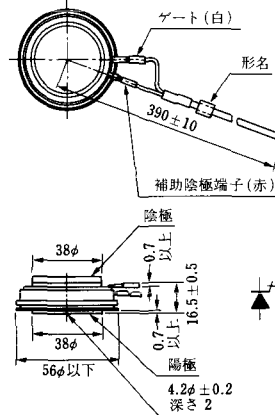
M-1



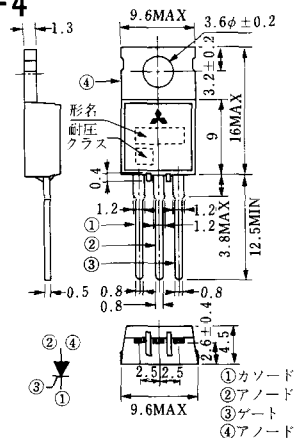
M-2



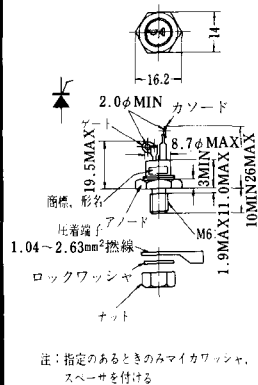
M-3



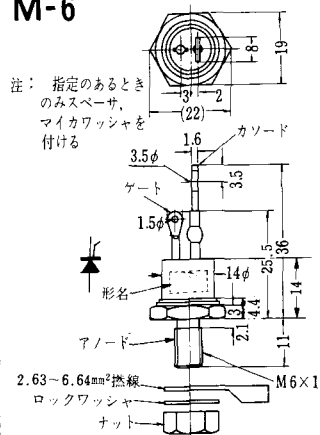
M-4



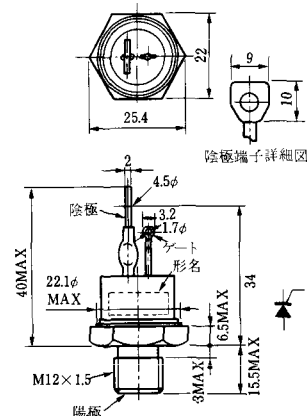
M-5



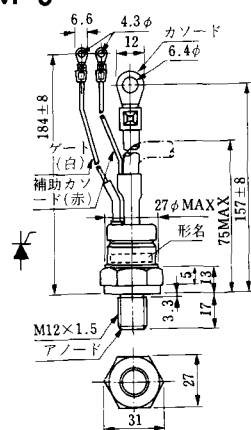
M-6



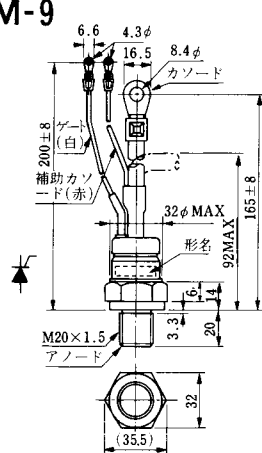
M-7



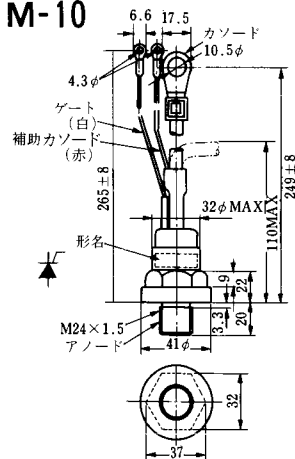
M-8



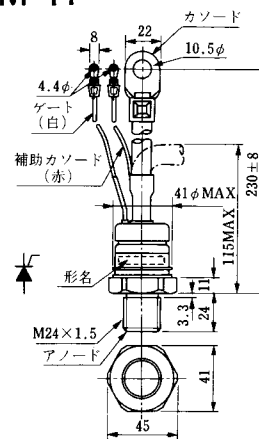
M-9



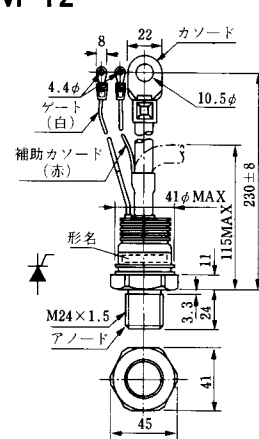
M-10



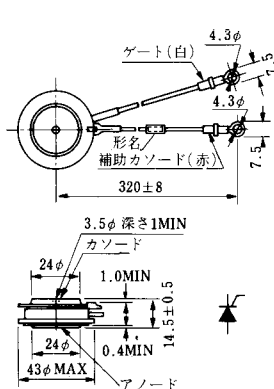
M-11



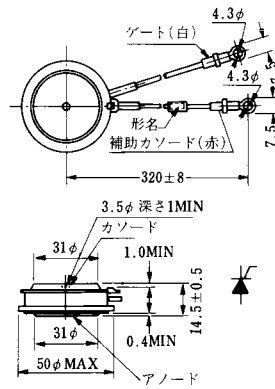
M-12



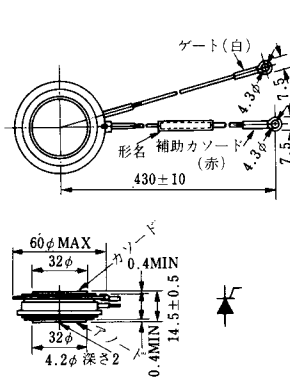
M-13



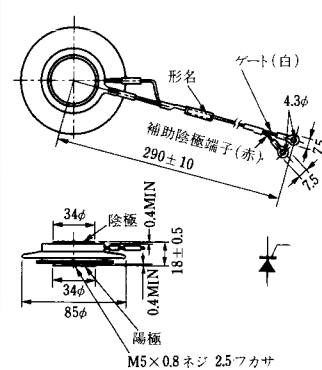
M-14



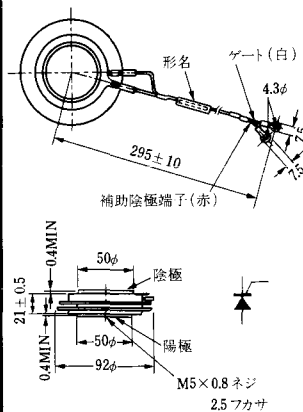
M-15



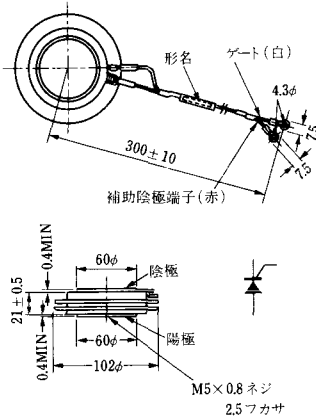
M-16



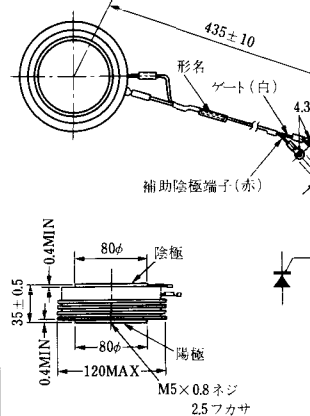
M-17



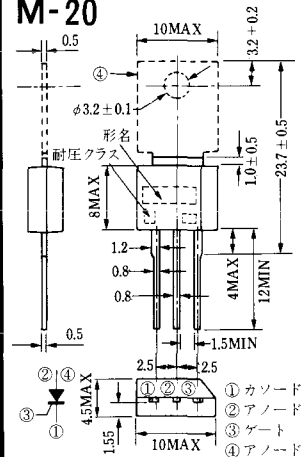
M-18



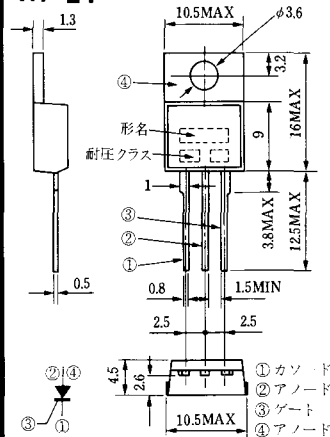
M-19



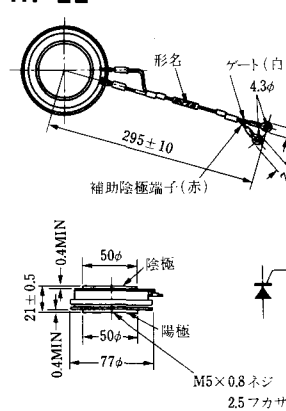
M-20



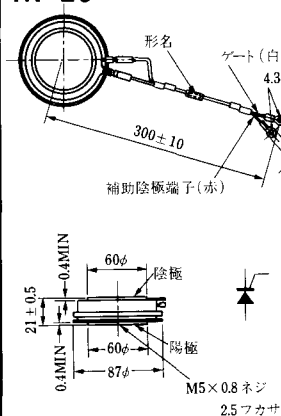
M-21



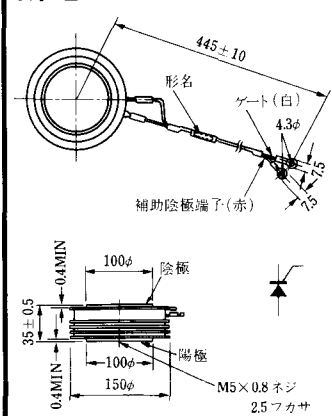
M-22



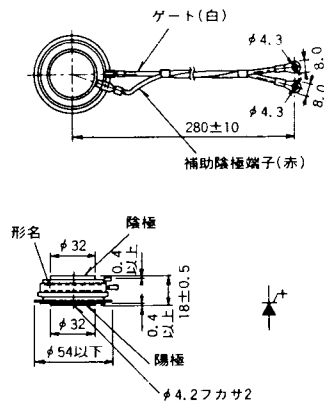
M-23



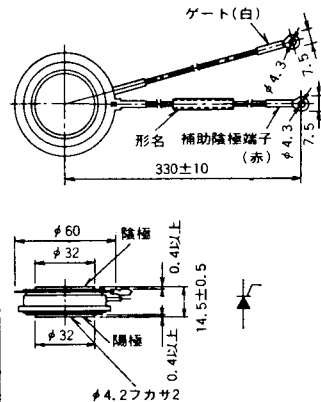
M-24



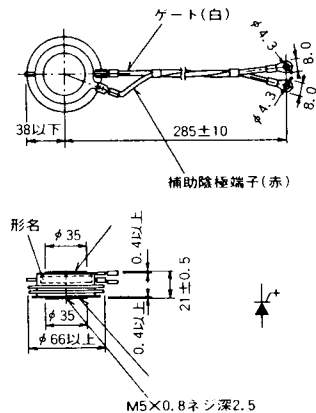
M-25



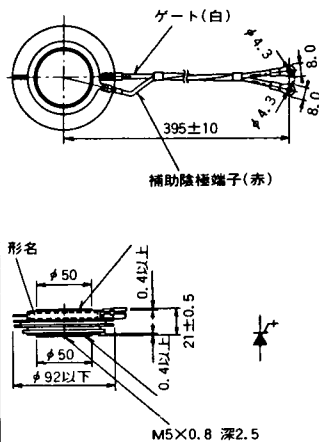
M-26



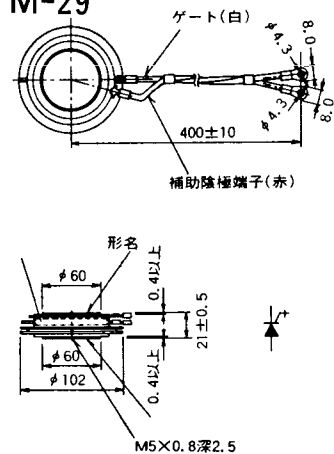
M-27



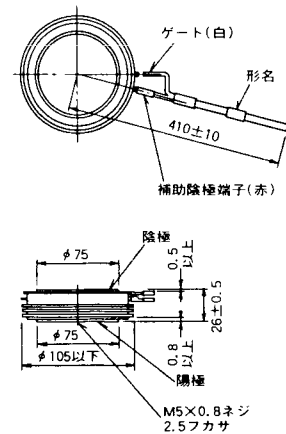
M-28



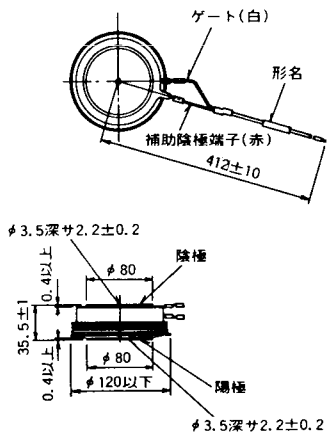
M-29



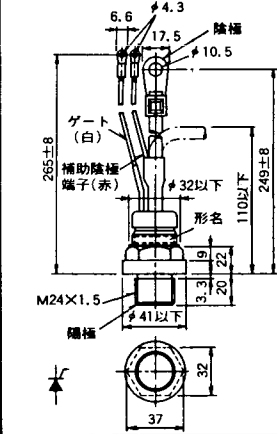
M-30



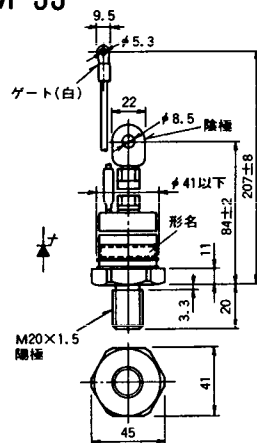
M-31



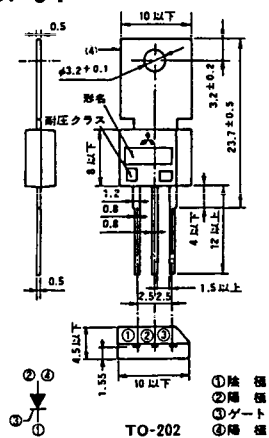
M-32



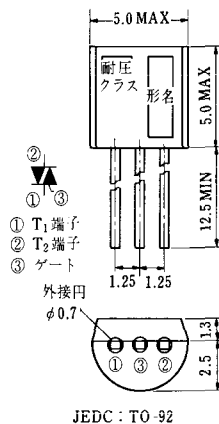
M-33



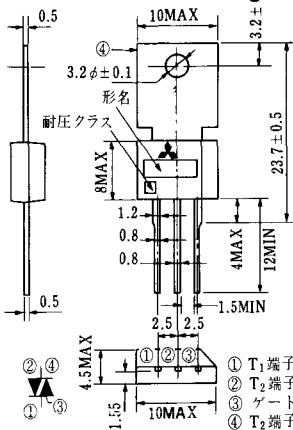
M-34



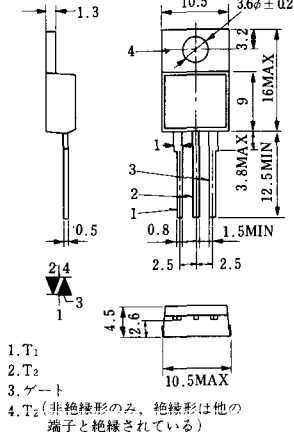
MT-1



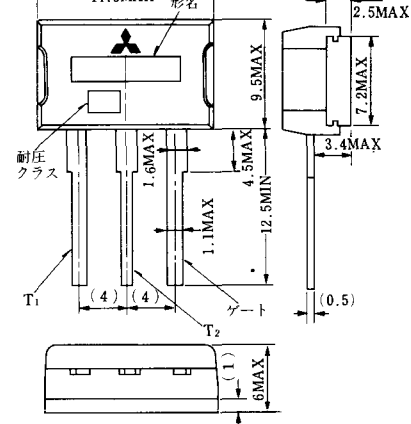
MT-2



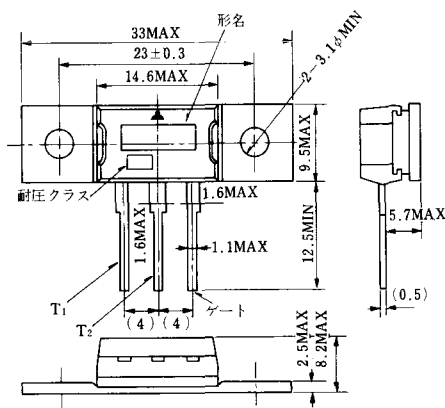
MT-3



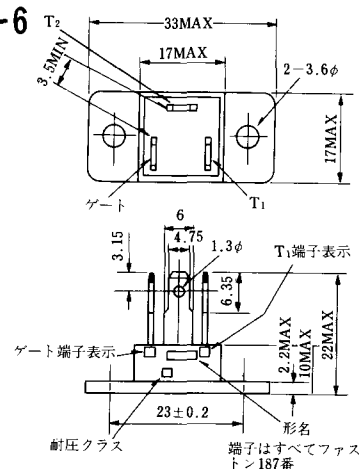
MT-4



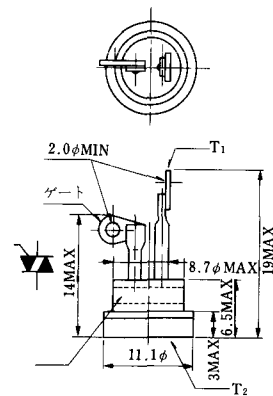
MT-5



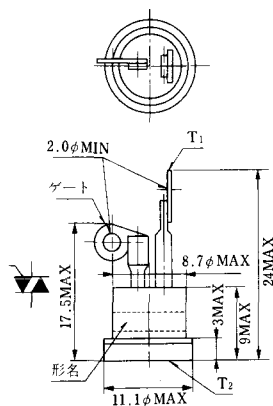
MT-6



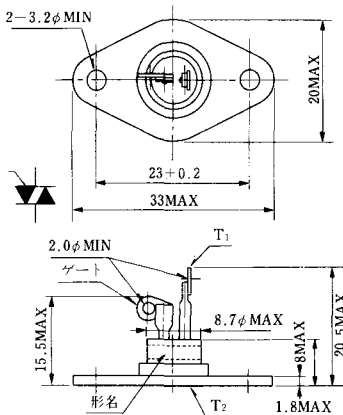
MT-7



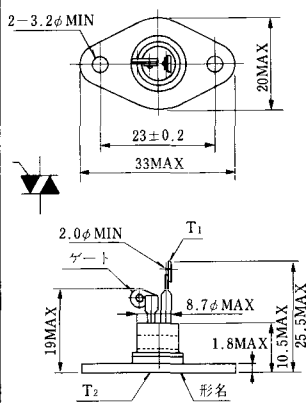
MT-8



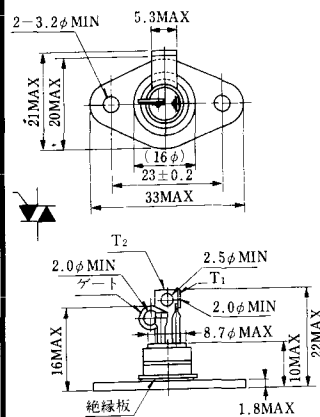
MT-9



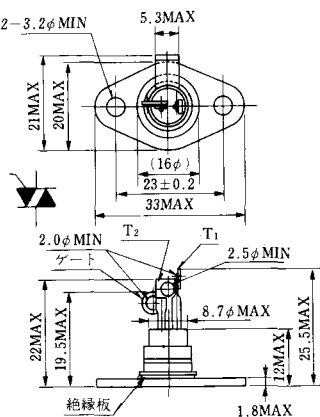
MT-10



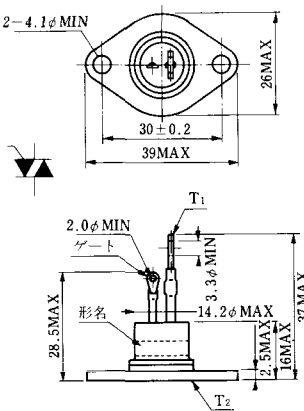
MT-11



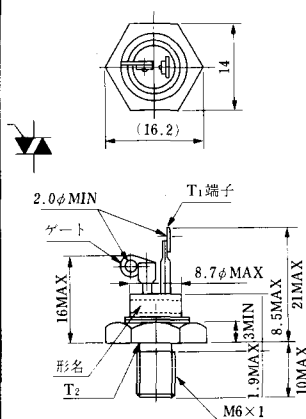
MT-12



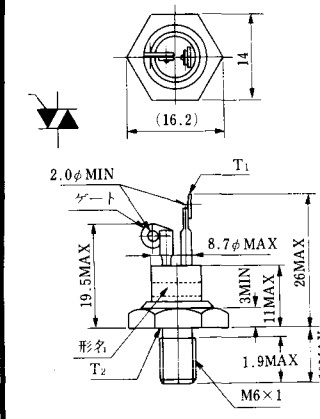
MT-13



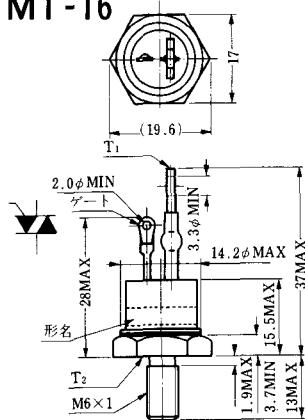
MT-14



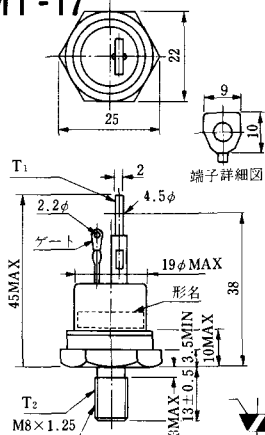
MT-15



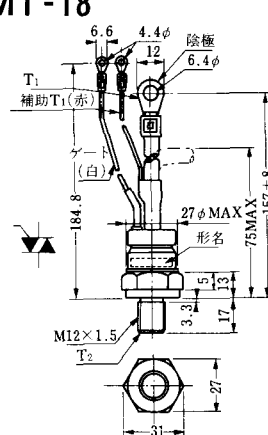
MT-16



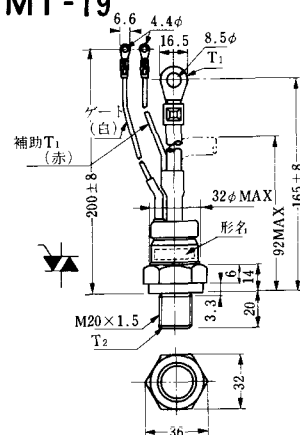
MT-17



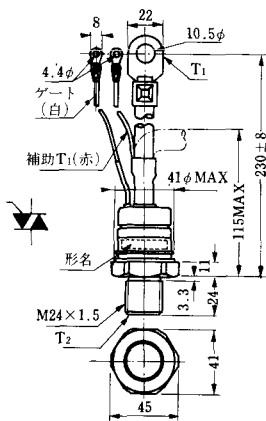
MT-18



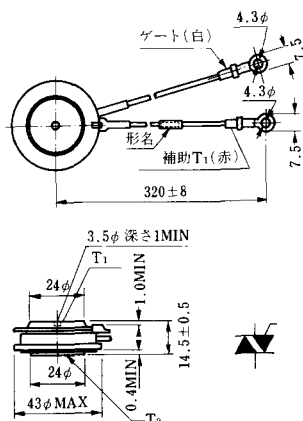
MT-19



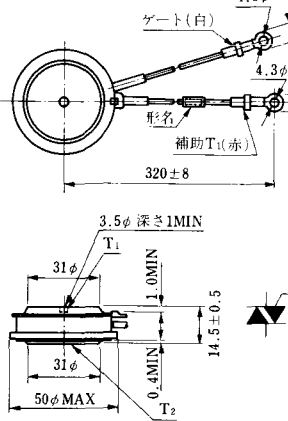
MT-20



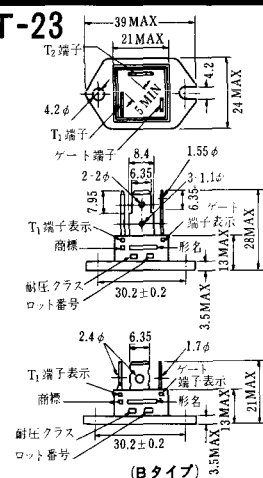
MT-21



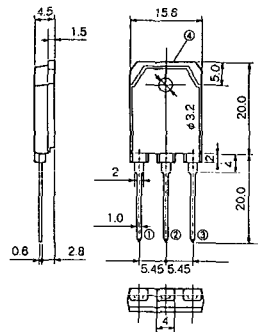
MT-22



MT-23



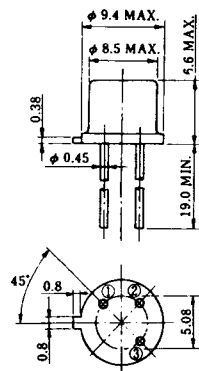
MT-24



TO - 3P

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

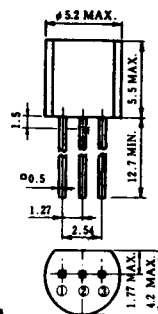
N-1



電極接続

- ① カソード
- ② ゲート
- ③ アノード

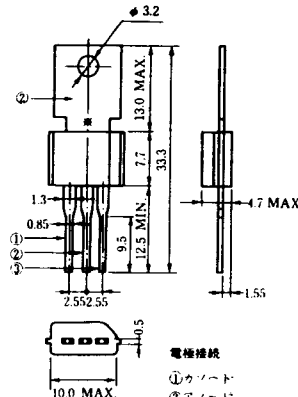
N-2



電極接続

- ① ヤート
- ② アノード
- ③ カソード

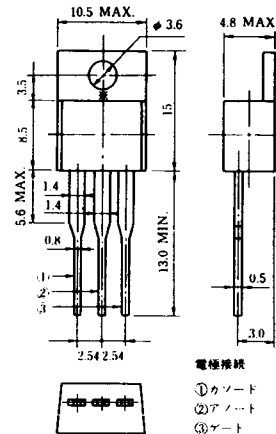
N-3



電極接続

- ① カソード
- ② アノード
- ③ ゲート

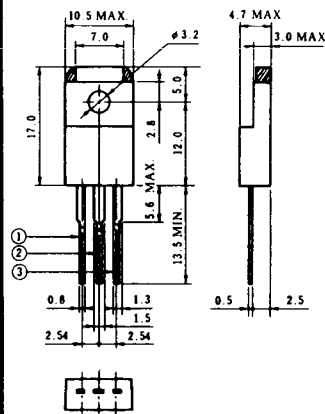
N-4



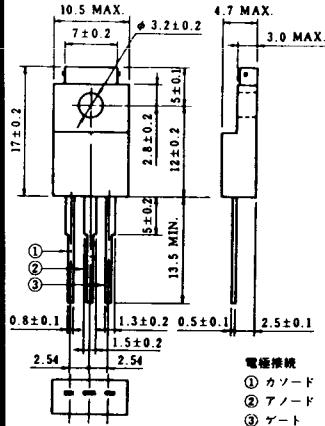
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-5



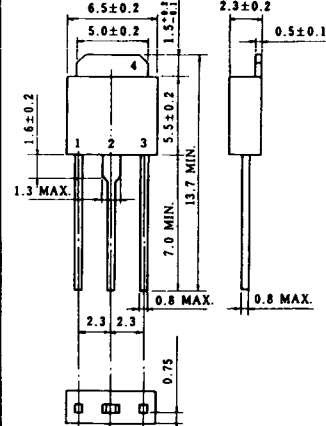
N-6



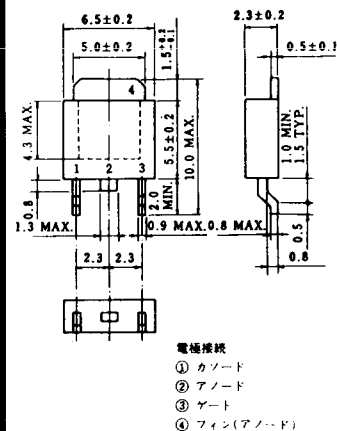
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-7



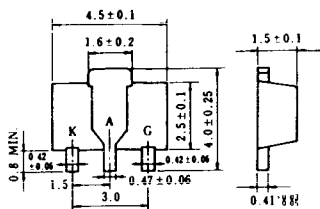
N-8



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



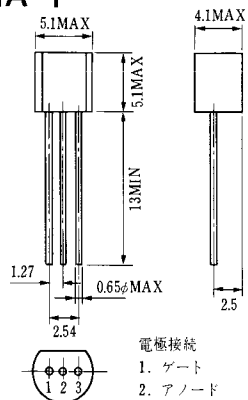
電極接続

K : カソード

A : アノード

G : ゲート

NA-1

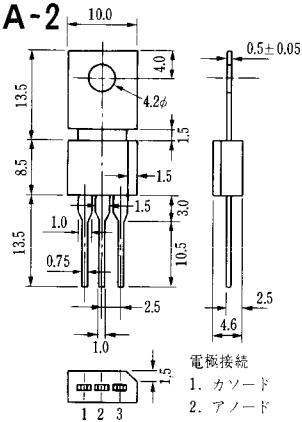


電極接続

1. ゲート
2. アノード
3. カソード

JEDEC: TO-92

NA-2



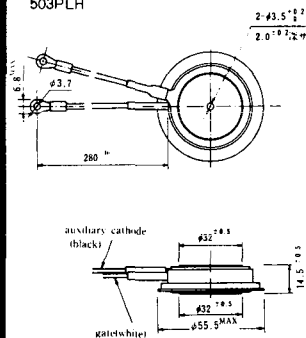
電極接続

1. カソード
2. アノード
3. ゲート

JEDEC: TO-202AA

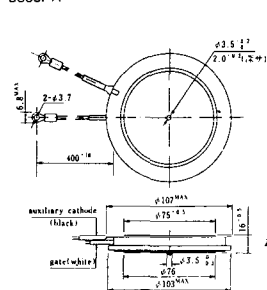
NI-16

503PLF
503PLH



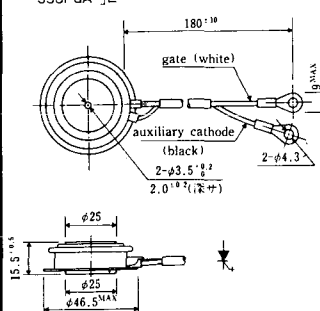
NI-17

3003PA



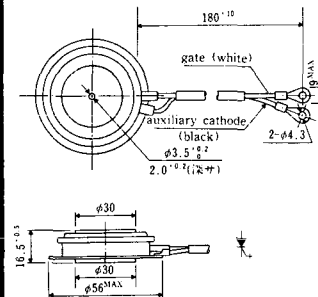
NI-18

353PGA「E



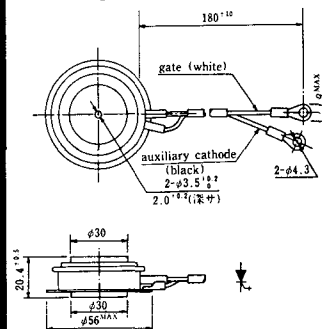
NI-19

603PGA, 603PGA「A, 803PGA



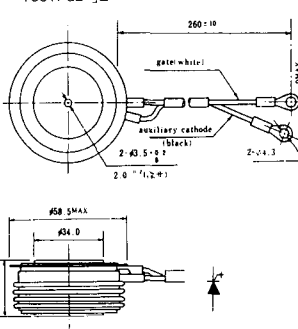
NI-20

603PGA「E



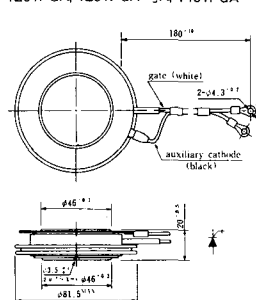
NI-21

1001PGB「E



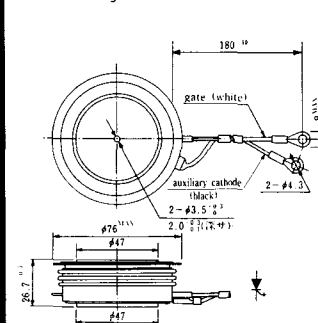
NI-22

1201PGA, 1201PGA「A, 1401PGA



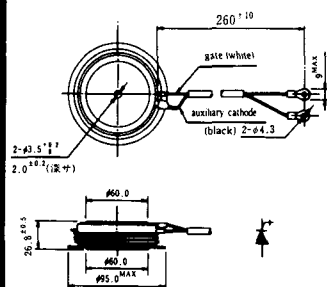
NI-23

1201PGA「E



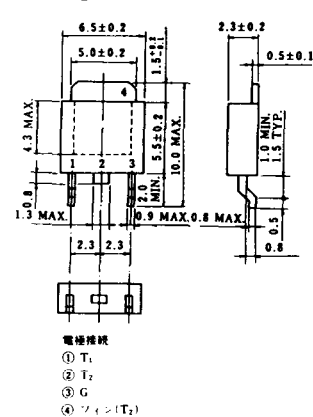
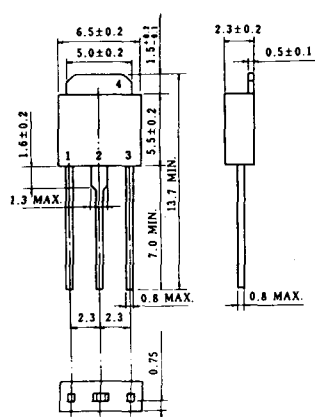
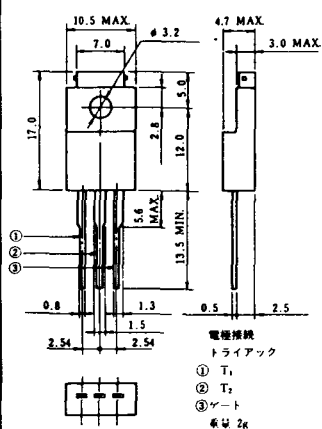
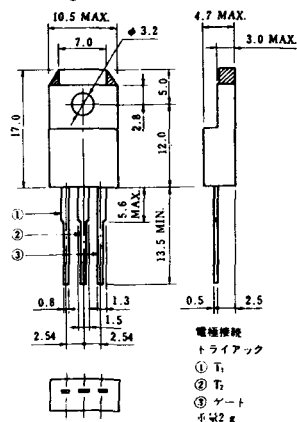
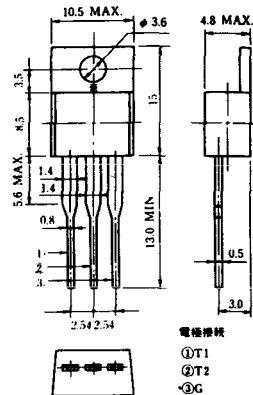
NI-24

2001PGB^r JE

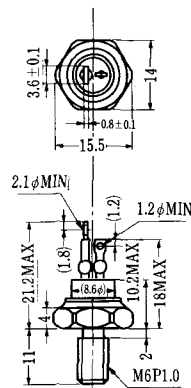


NI-25

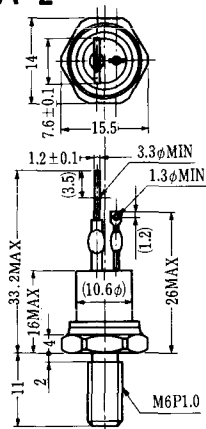
NI-26



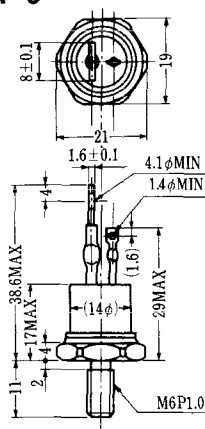
SA-1



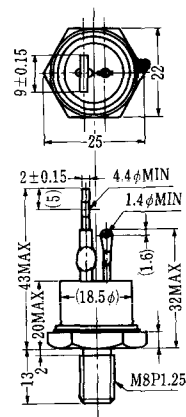
SA-2



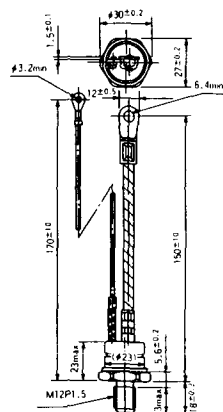
SA-3



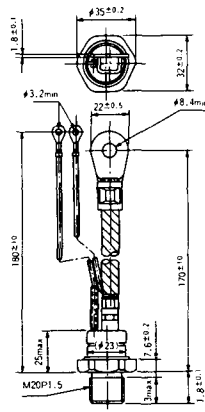
SA-4



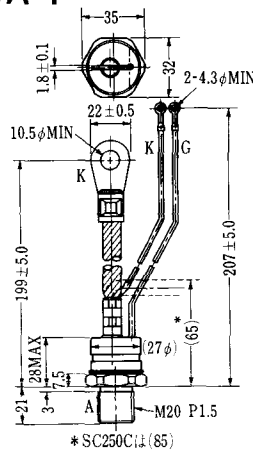
SA-5



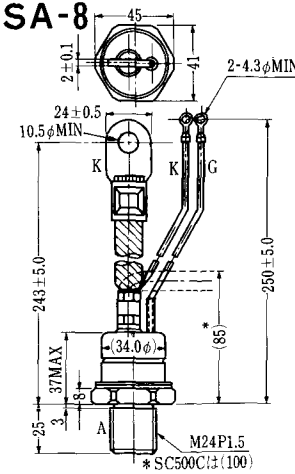
SA-6



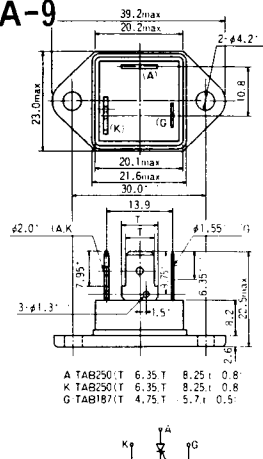
SA-7



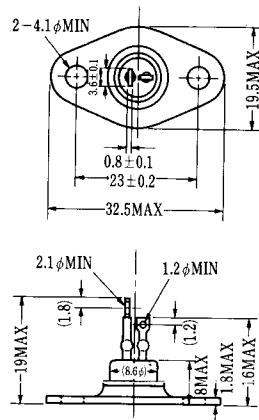
SA-8



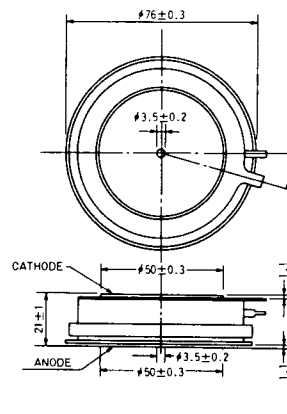
SA-9



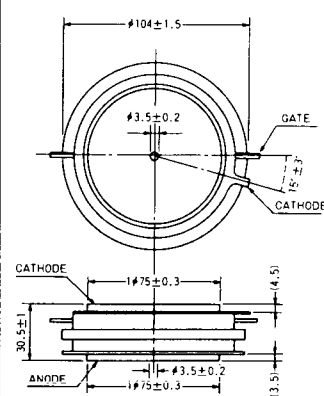
SA-10



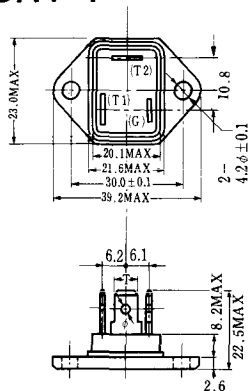
SA-11



SA-12

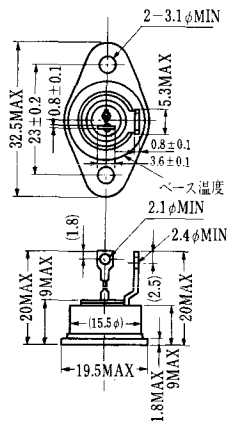


SAT-1

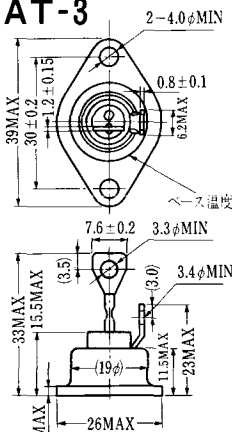


T1端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
T2端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
G端子:ファストン187($T=4.75$, $t=0.5$, $\phi=1.3$)

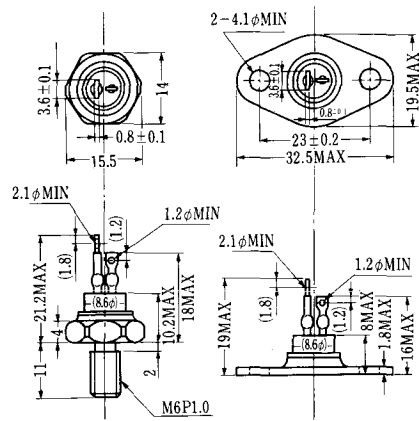
SAT-2



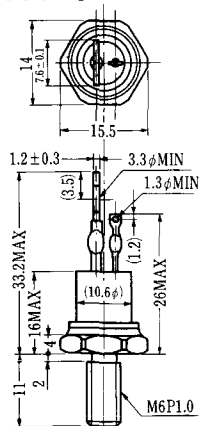
SAT-3



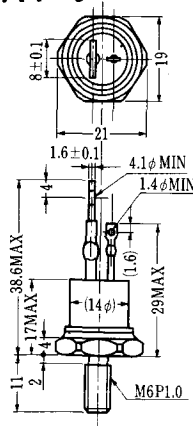
SAT-4



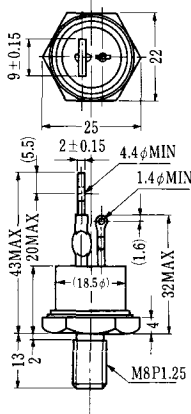
SAT-5



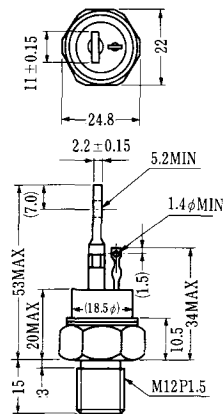
SAT-6



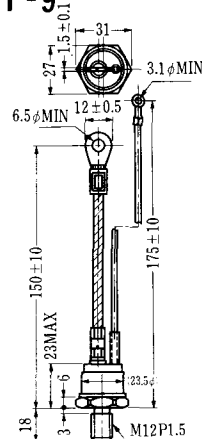
SAT-7



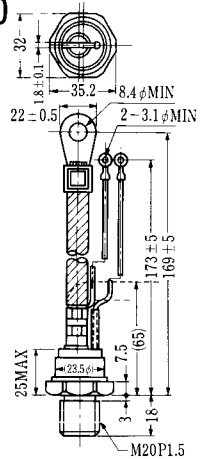
SAT-8



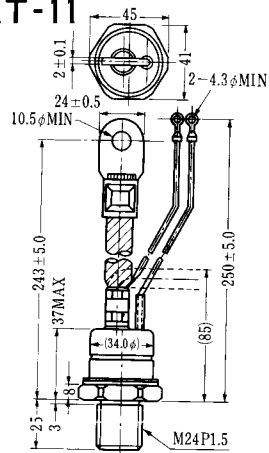
SAT-9.



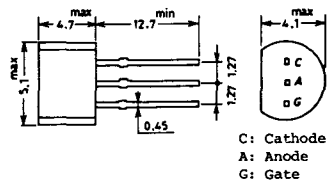
SAT-10



SAT-11

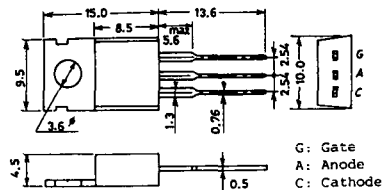


SY-1(1096A)



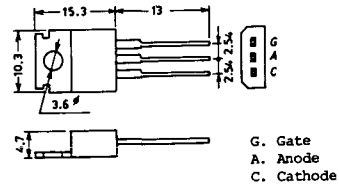
C: Cathode
A: Anode
G: Gate

SY-2(1151)



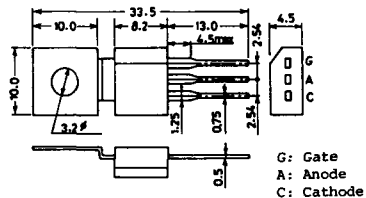
G: Gate
A: Anode
C: Cathode

SY-3(1104)



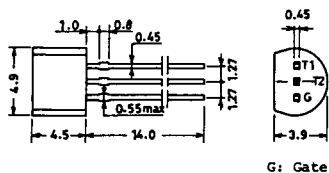
G: Gate
A: Anode
C: Cathode

SY-4(1150)



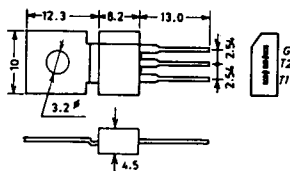
G: Gate
A: Anode
C: Cathode

1097A

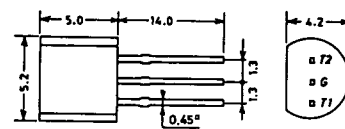


G: Gate

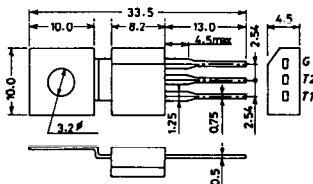
1102



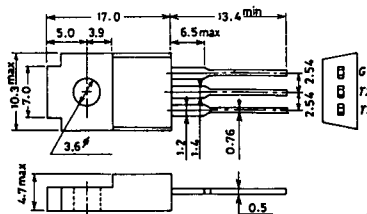
1141



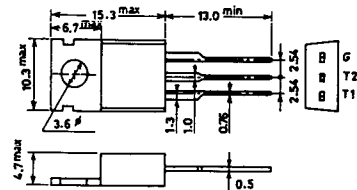
1142



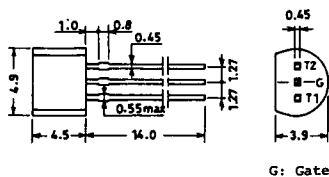
1144



1155

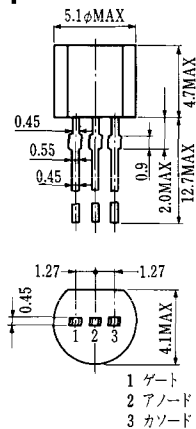


1192A

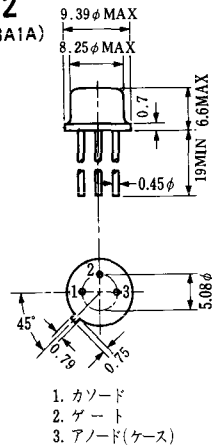


G: Gate

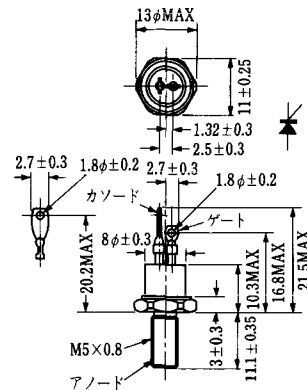
T-1 (13-5A1A)



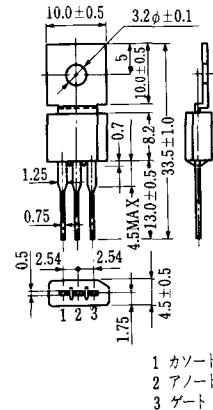
T-2 (13-8A1A)



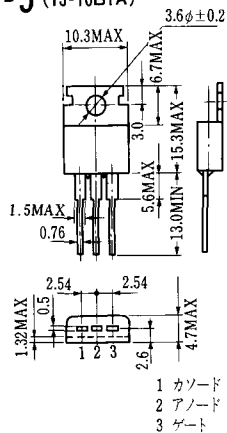
T-3 (13-8C1A)



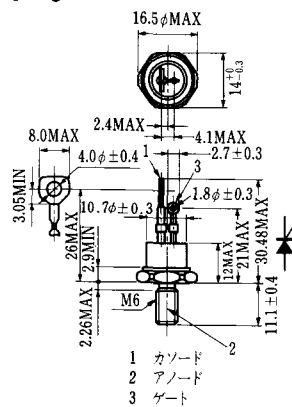
T-4 (13-10A1A)



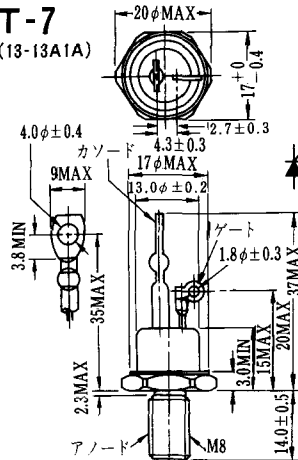
T-5 (13-10B1A)



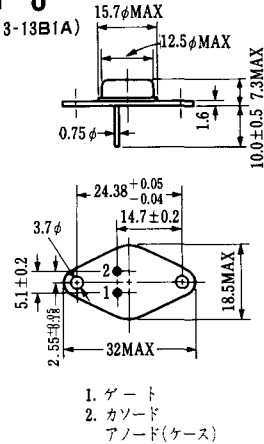
T-6 (13-11D1A)



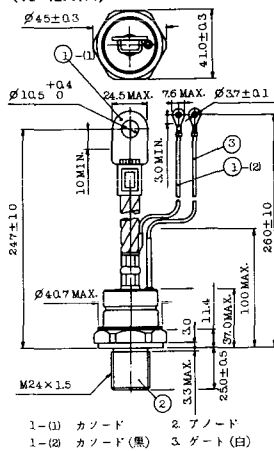
T-7 (13-13A1A)



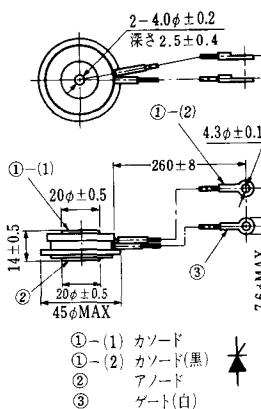
T-8 (13-13B1A)



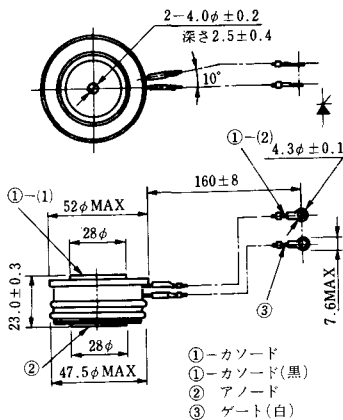
T-17 (13-42A1A)



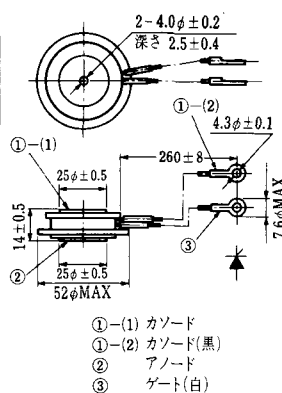
T-18 (13-45D1A)



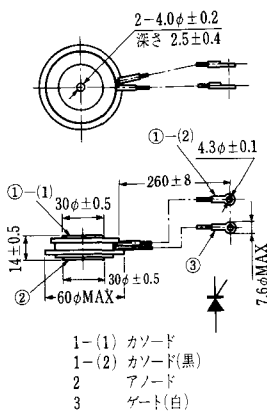
T-19 (13-52B1A)



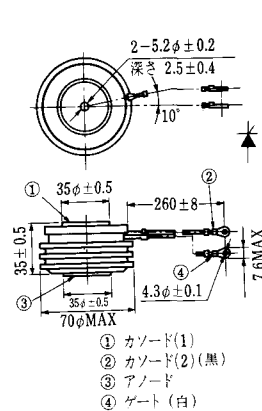
T-20 (13-52C1A)



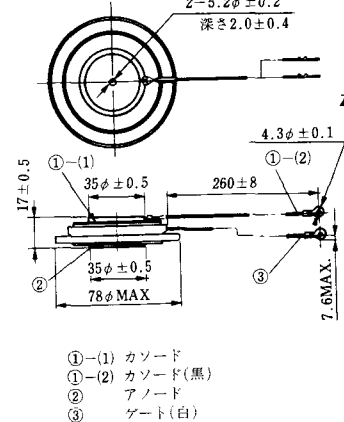
T-21 (13-60A1A)



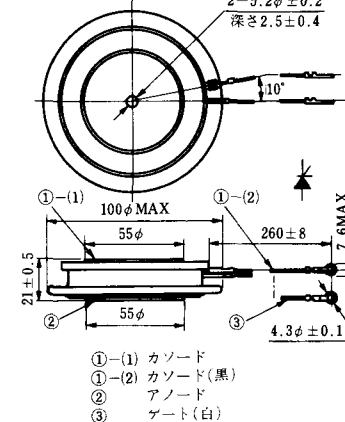
T-22 (13-70C1A)



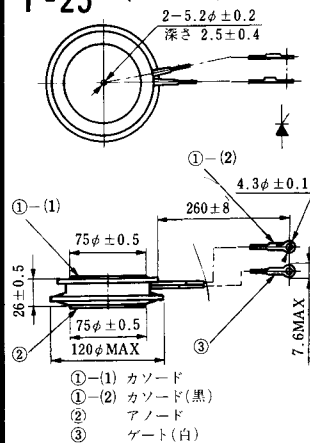
T-23 (13-78A1A)



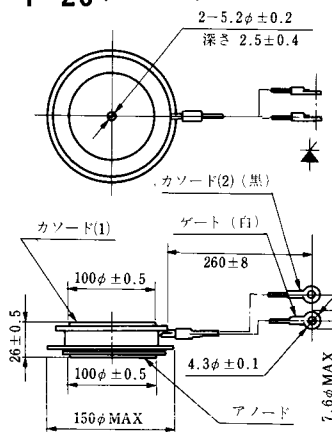
T-24 (13-100C1A)



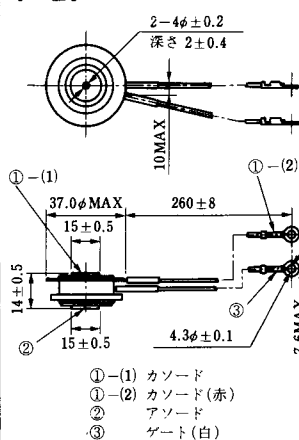
T-25 (13-120A2A)



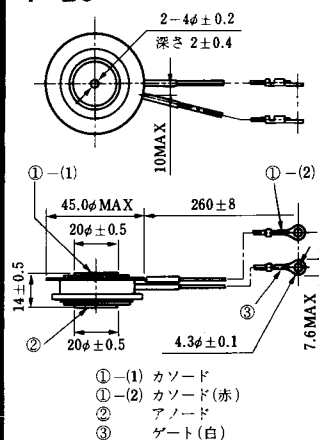
T-26 (13-150A1A)



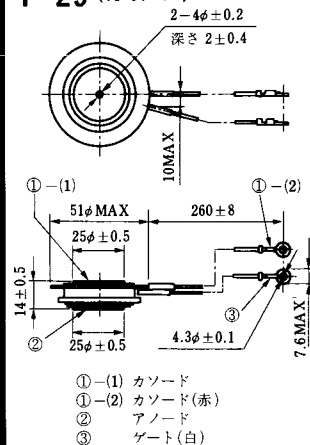
T-27 (13-37A1A)



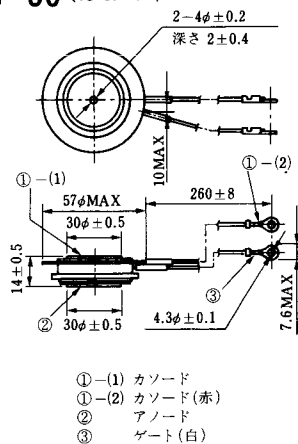
T-28 (13-45E1A)



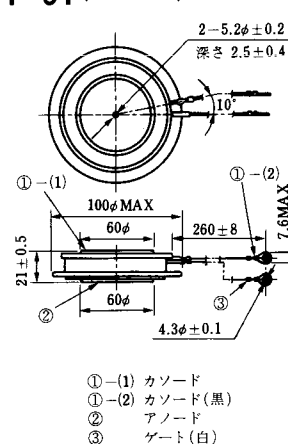
T-29 (13-51A1A)



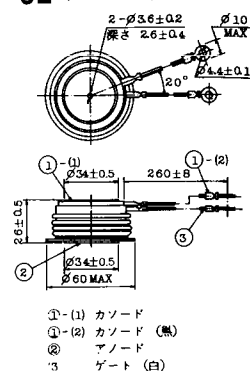
T-30 (13-57A1A)



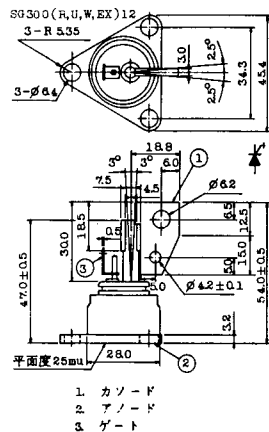
T-31 (13-100E1A)



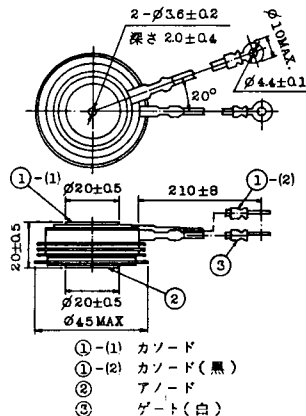
T-32 (13-60E3A)



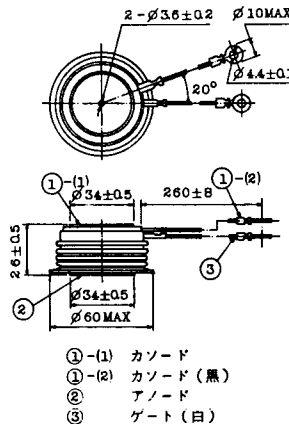
T-41 (13-28A2A)



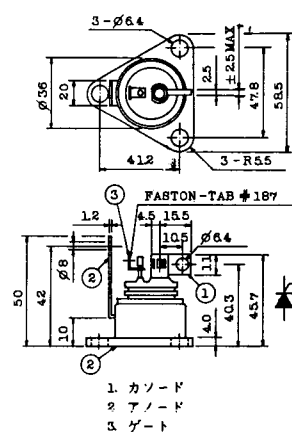
T-42 (13-45F1A)



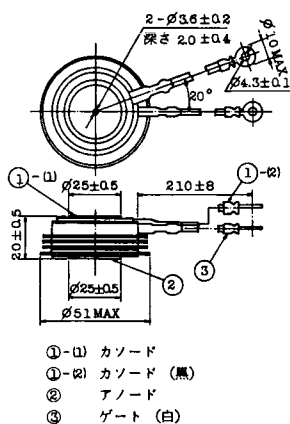
T-43 (13-60E2A)



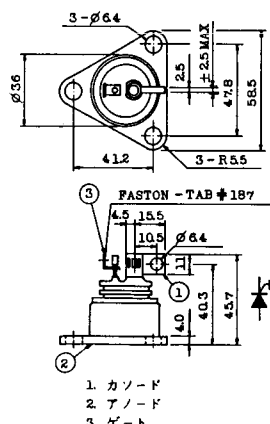
T-44 (13-36A1A)



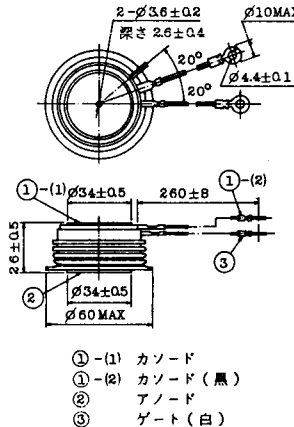
T-45 (13-51B1A)



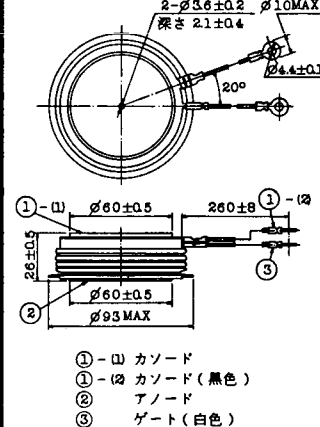
T-46 (13-36B1A)



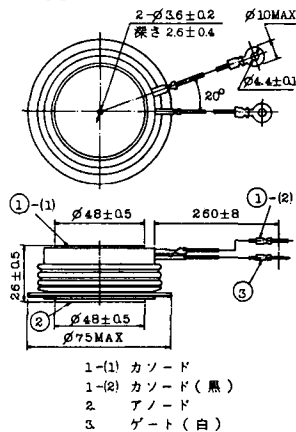
T-47 (13-60E1A)



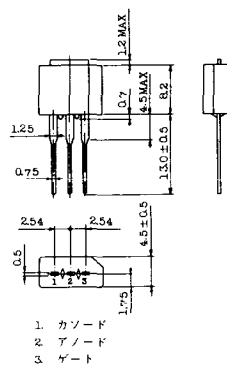
T-48 (13-93C1A)



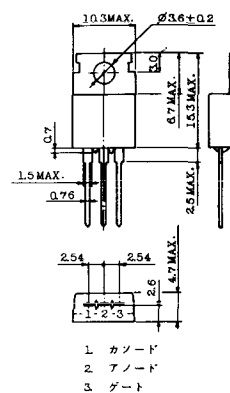
T-49 (13-75A1A)



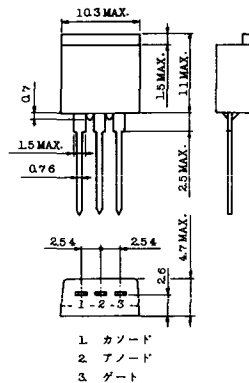
T-50 (13-10A3A)



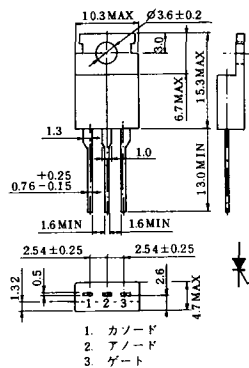
T-51 (13-10D1A)



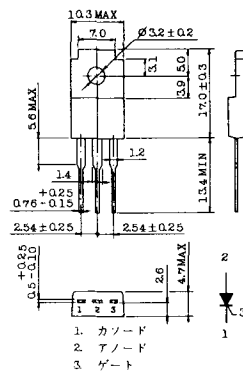
T-52 (13-10D2A)



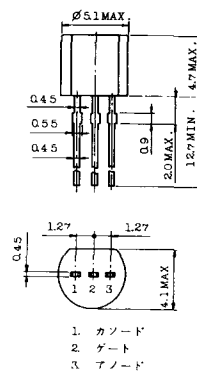
T-53 (13-10E1B)



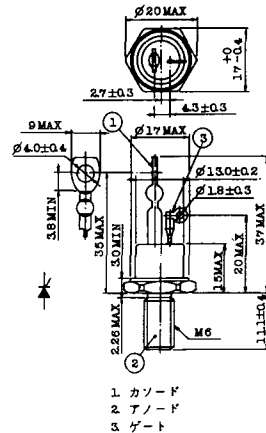
T-54 (13-10F1B)



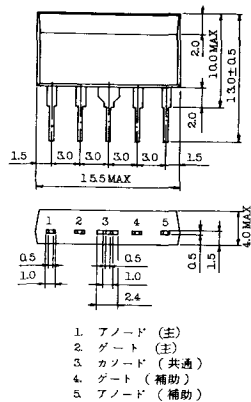
T-55 (13-5A1D)



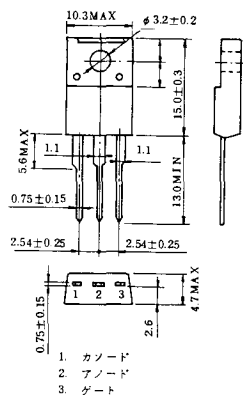
T-56 (13-13C1A)



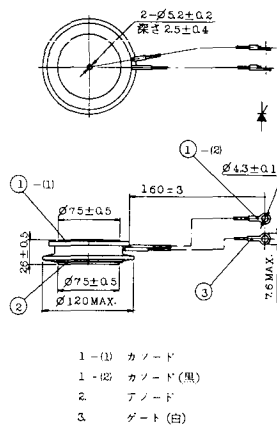
T-57 (12-16C1A)



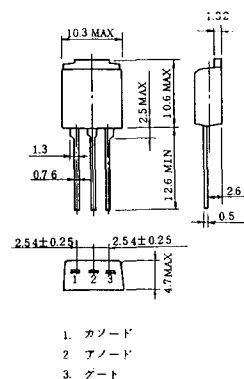
T-58 (13-10H1B)



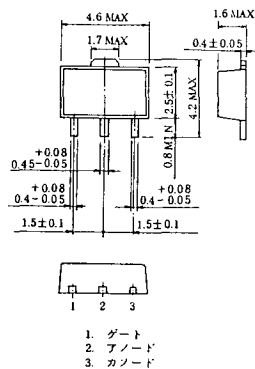
T-59 (13-120A1A)



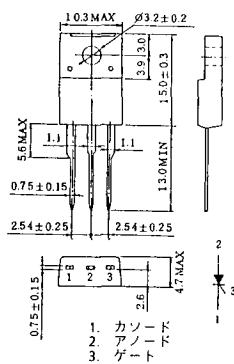
T-60



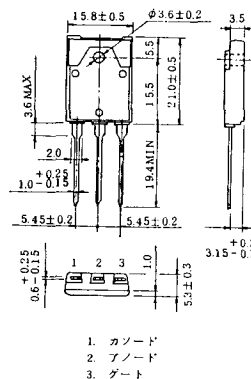
T-61 (13-5B1A)



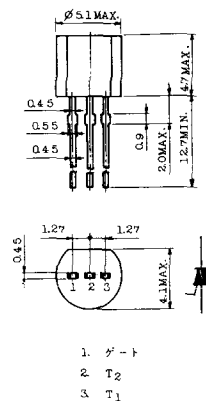
T-62 (13-10H1A)



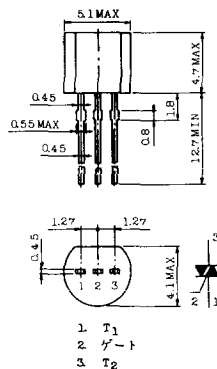
T-63 (13-16A1B)



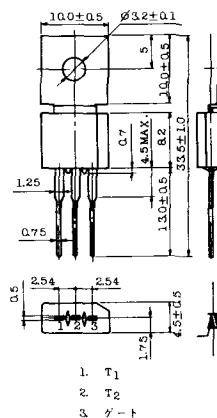
TT-1



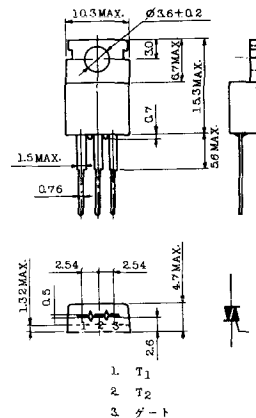
TT-2



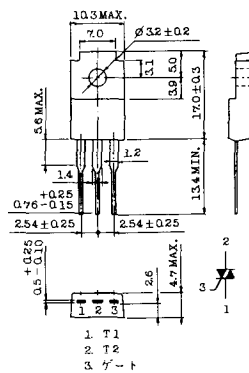
TT-3



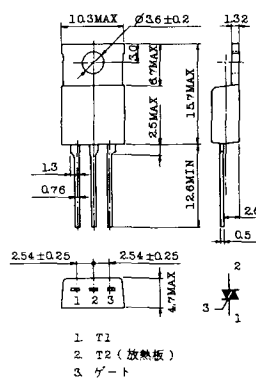
TT-4



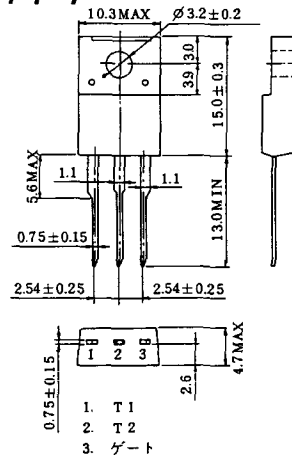
TT-5



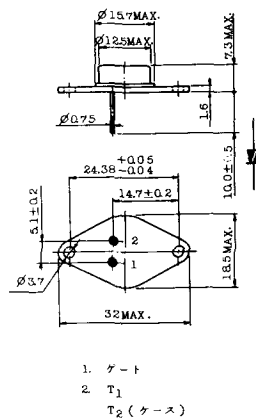
TT-6



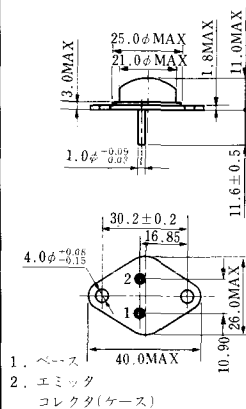
TT-7



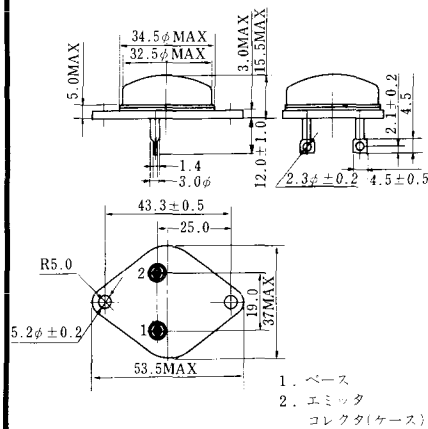
TT-8



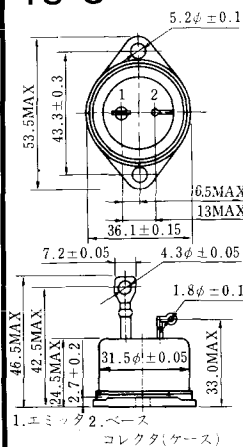
TS-1



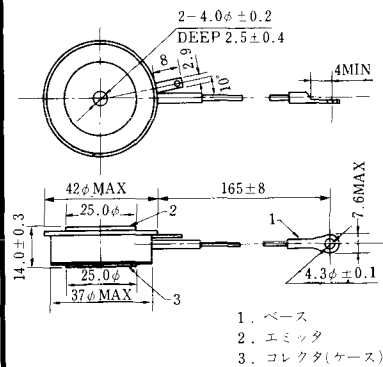
TS-2



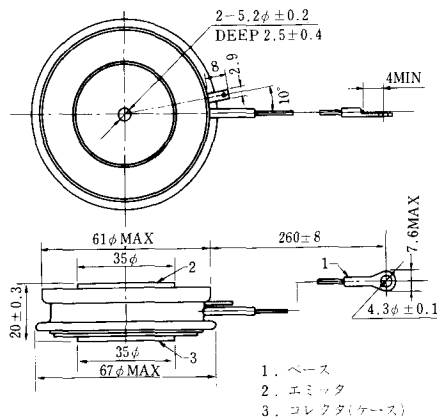
TS-3



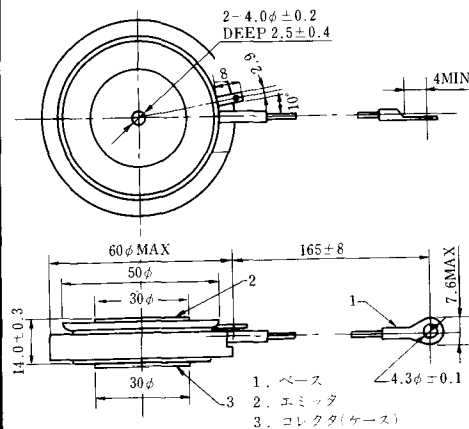
TS-4



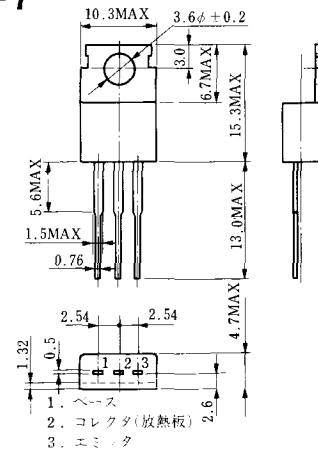
TS-5



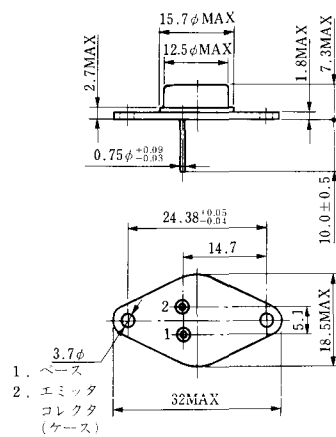
TS-6

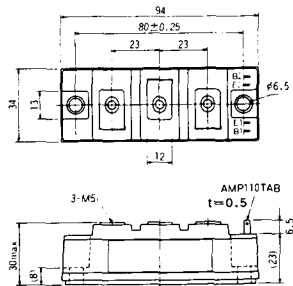
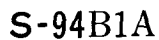
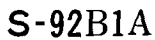
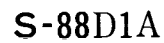
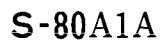


TS-7

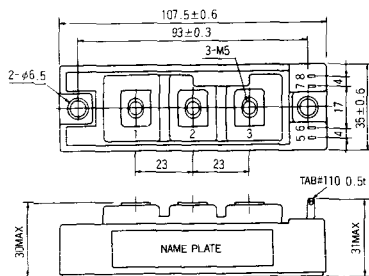


TS-8

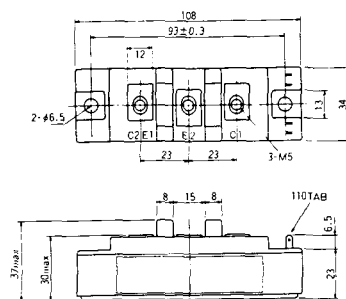




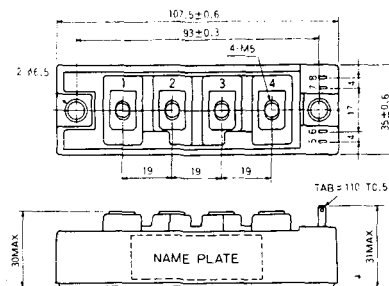
S-108B1A



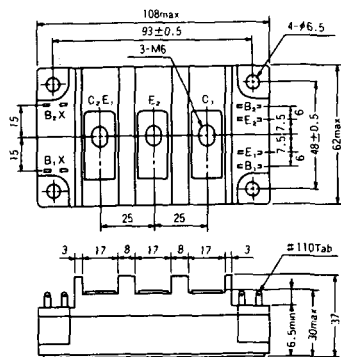
S-108B1B



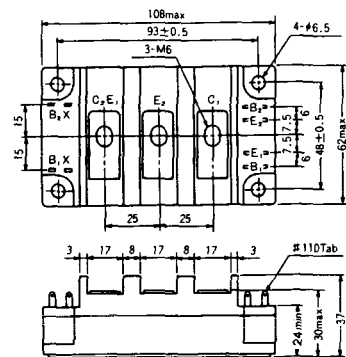
S-108B1C



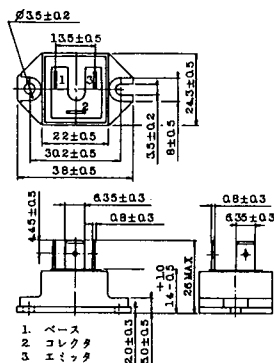
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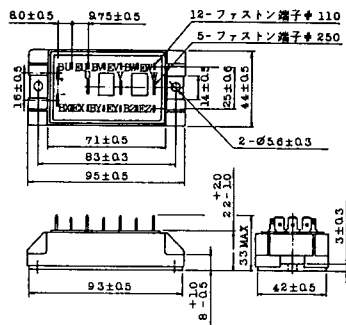
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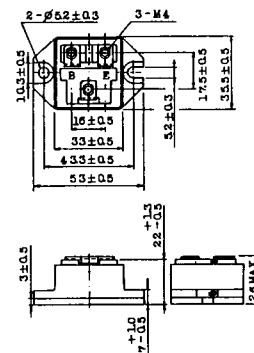
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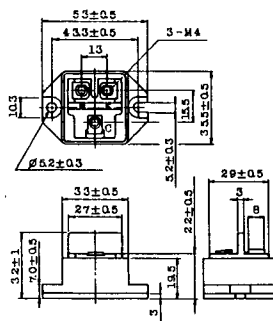
2-27A4A



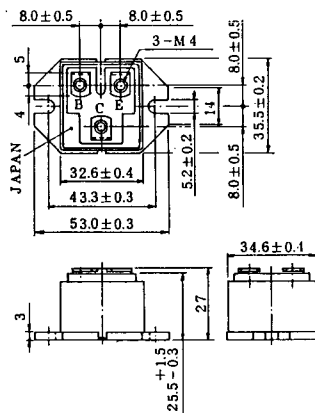
2-33C1A



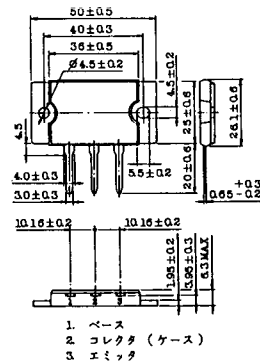
2-33D1A



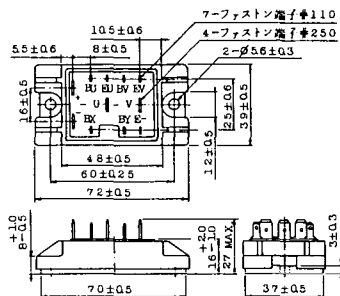
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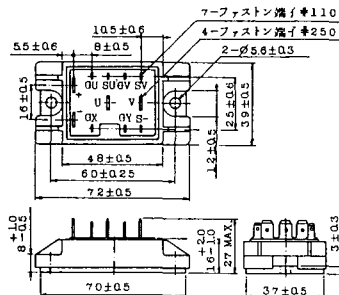
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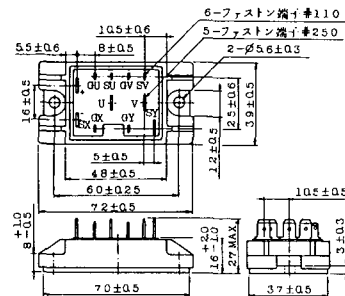
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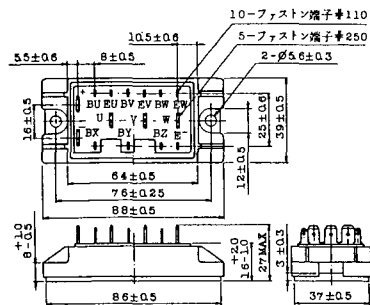
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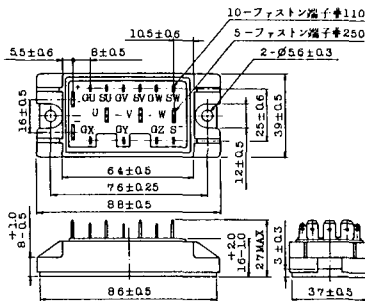
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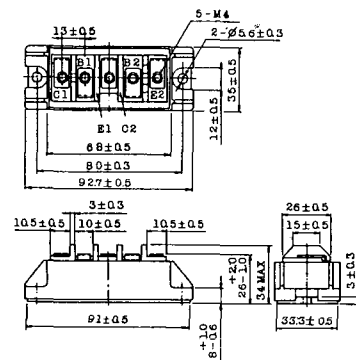
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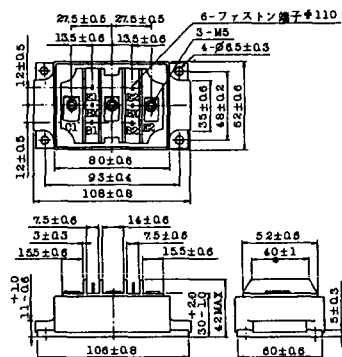
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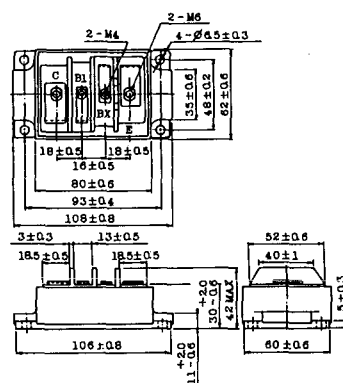
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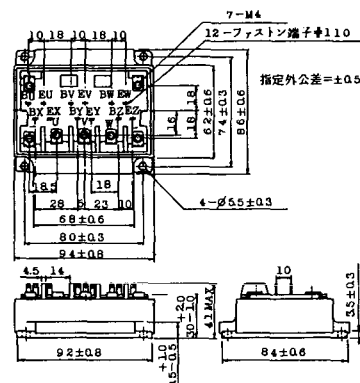
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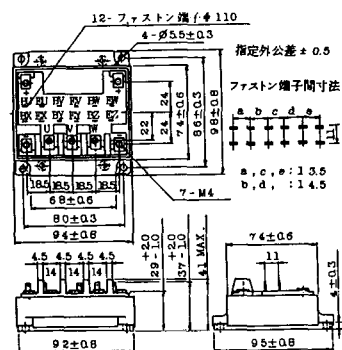
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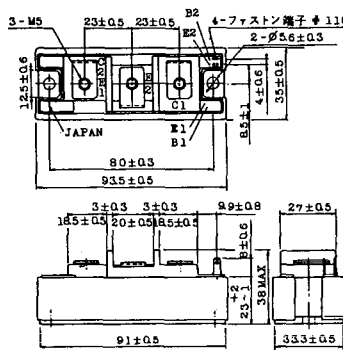
2-94A2A



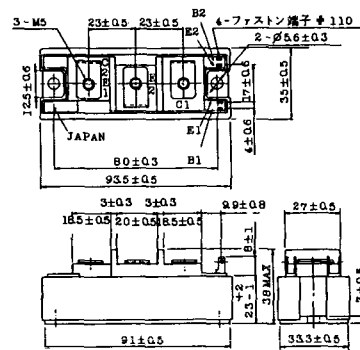
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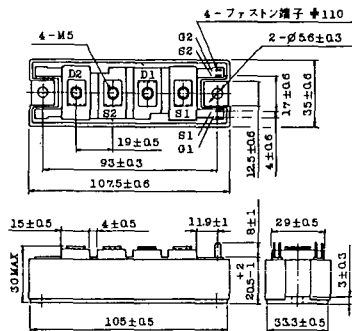
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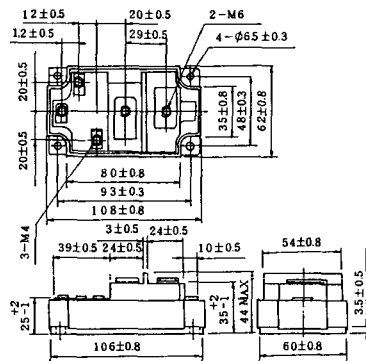
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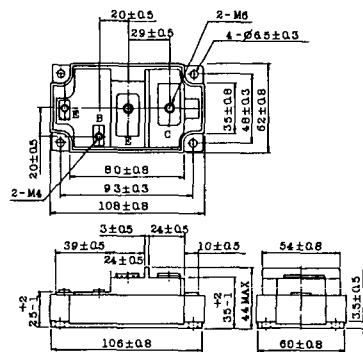
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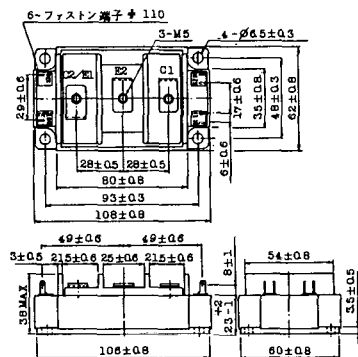
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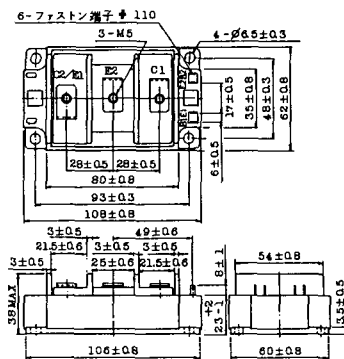
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2-109B3A

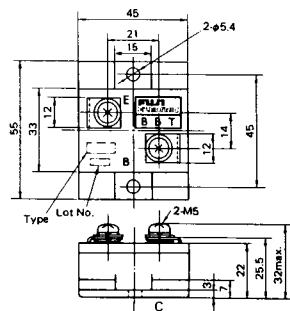


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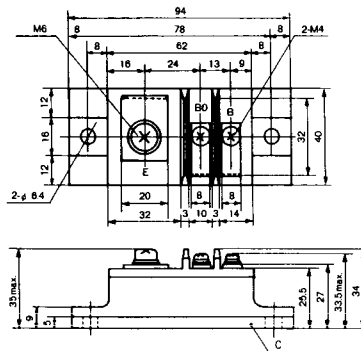
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BBTII
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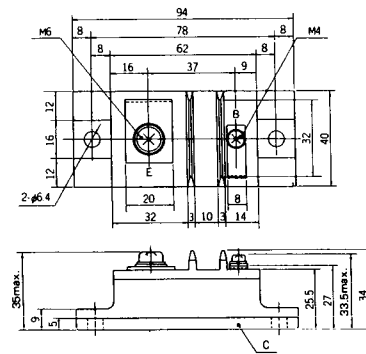
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BBTIII
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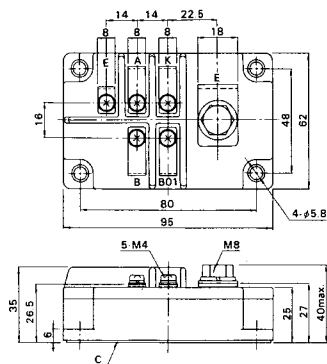
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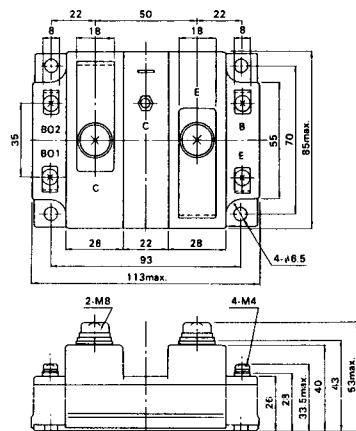


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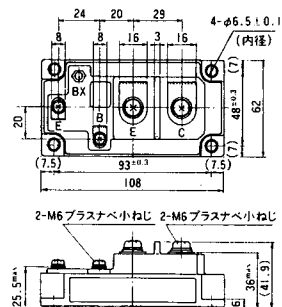
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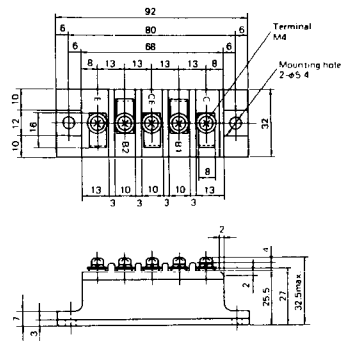
M-107



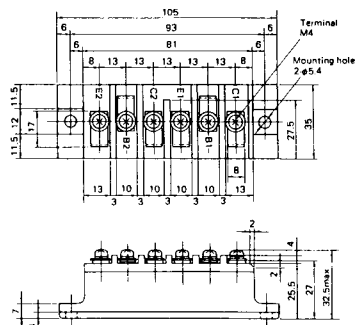
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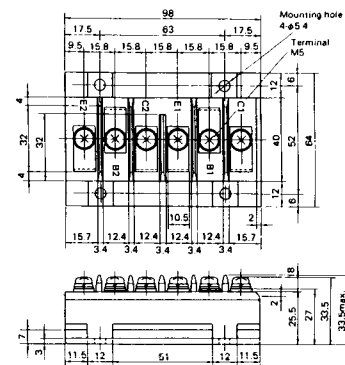
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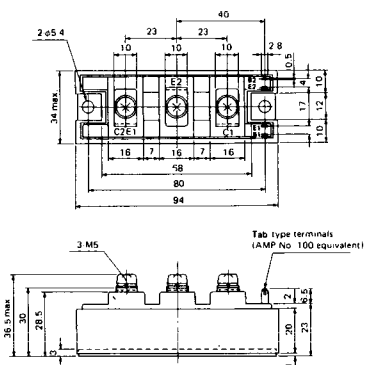
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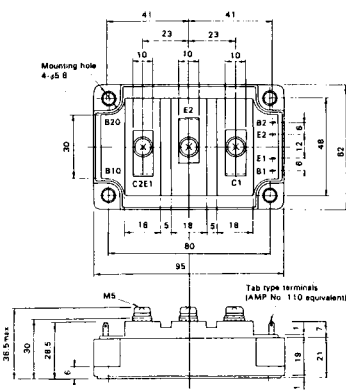
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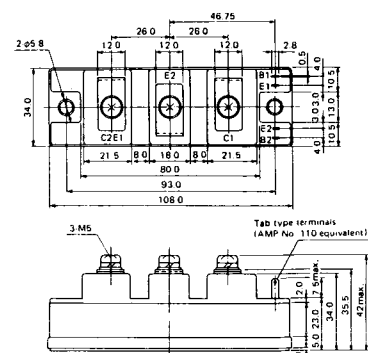
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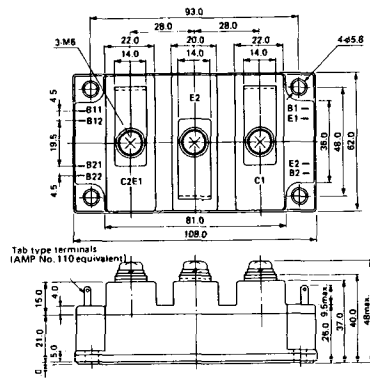
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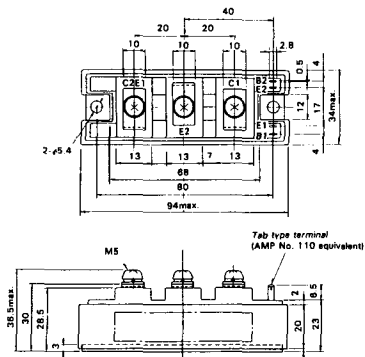
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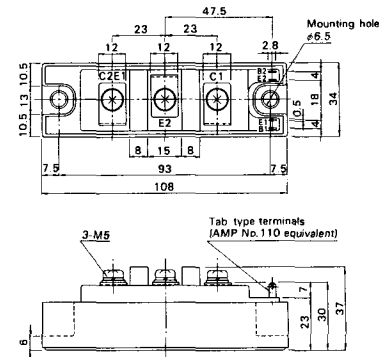
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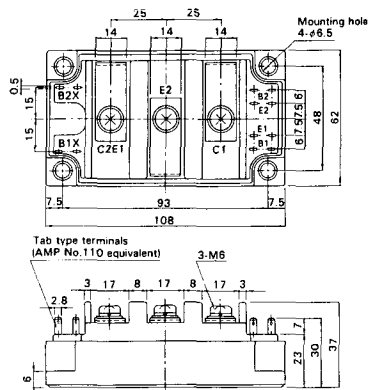
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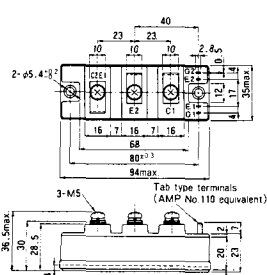
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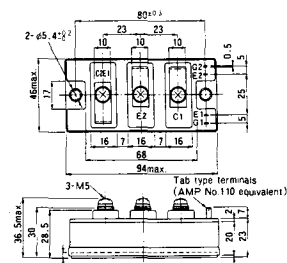
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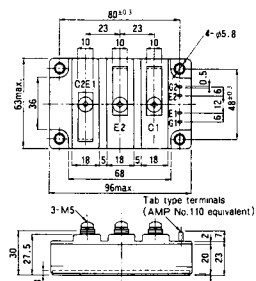
M-211



M-212

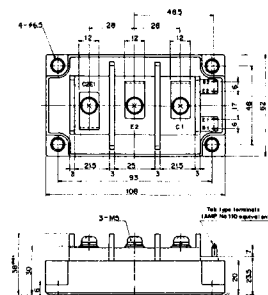


M-213

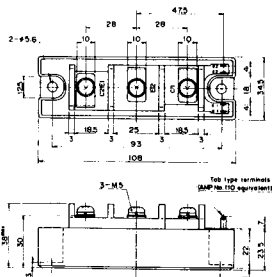


M-214

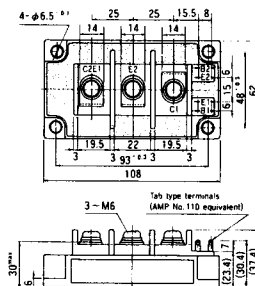
M-215



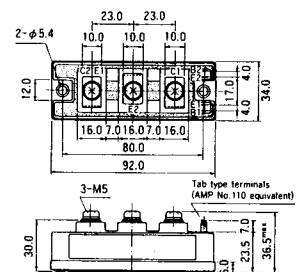
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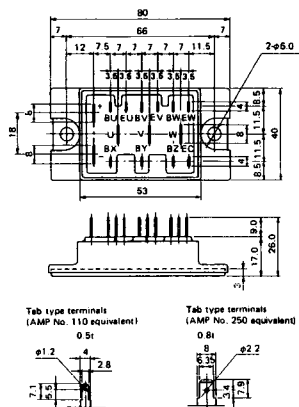
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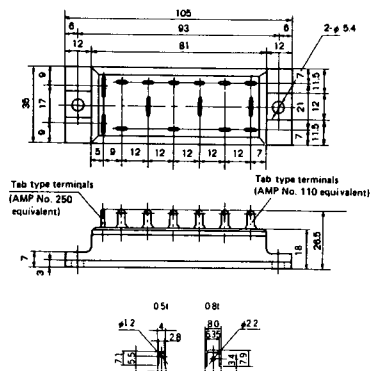
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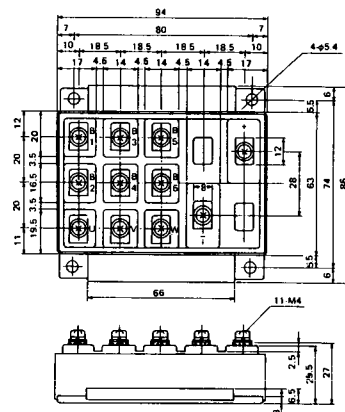
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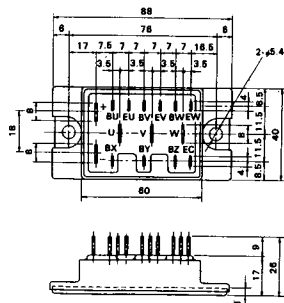
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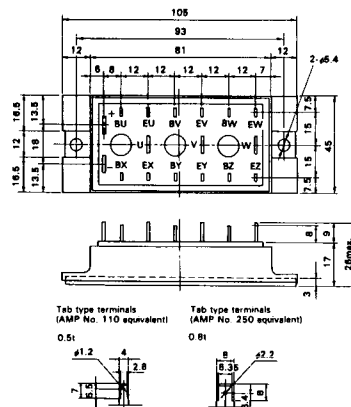
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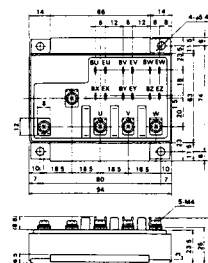
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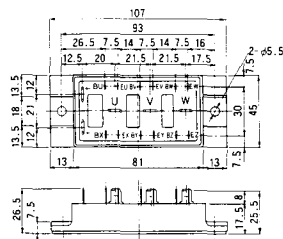
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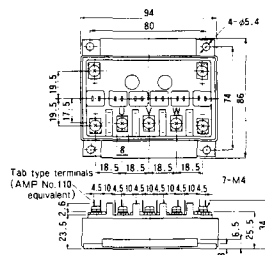
M-606



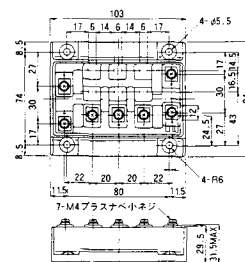
M-607



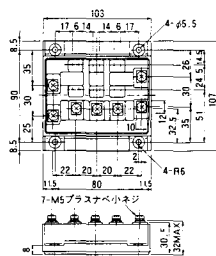
M-608



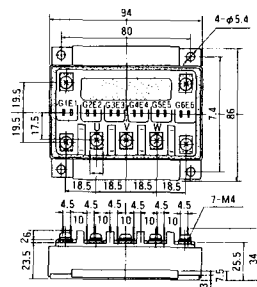
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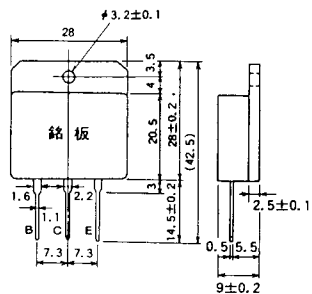
M-610



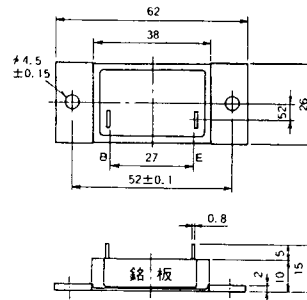
M-616



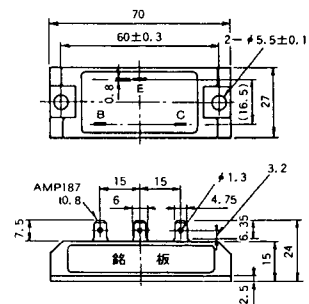
M-1A1A



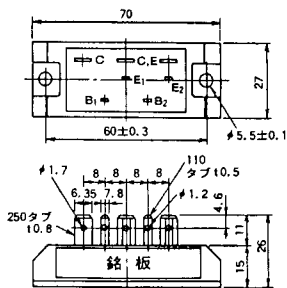
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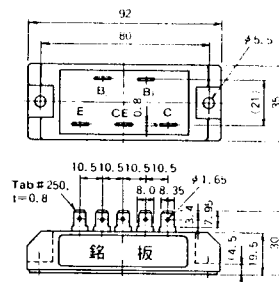
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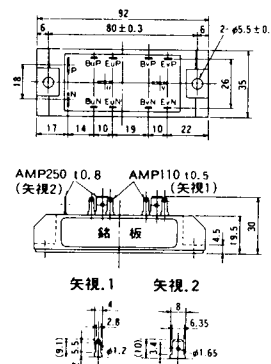
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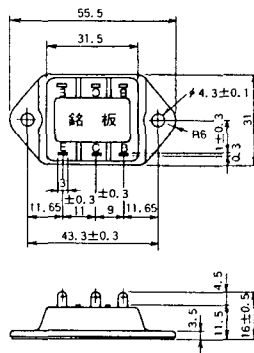
M-2C2A



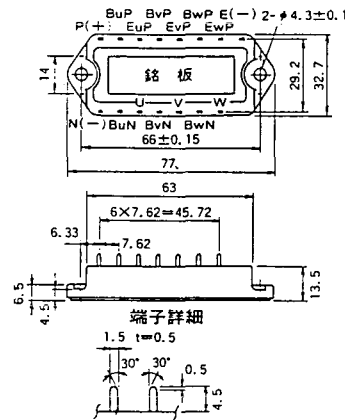
M-2D4A



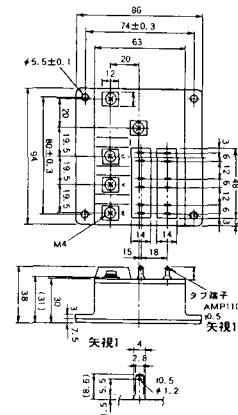
M-3C1A



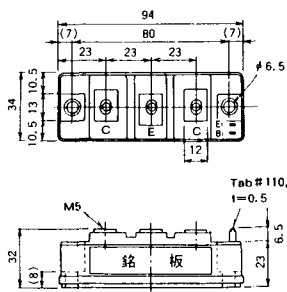
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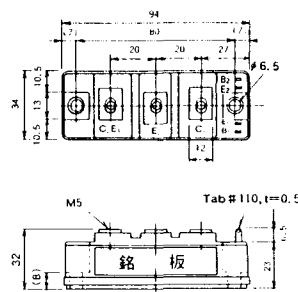
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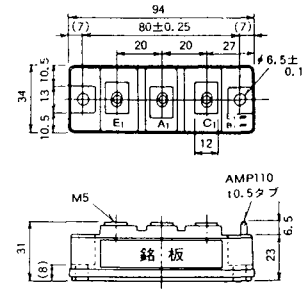
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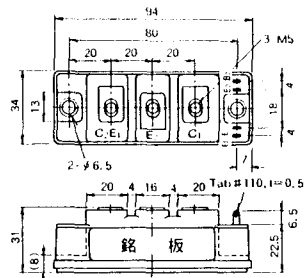
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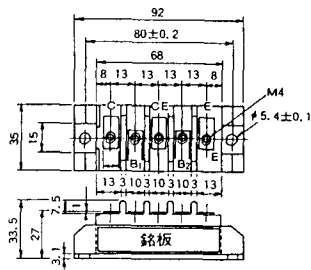
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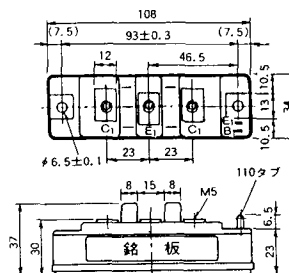
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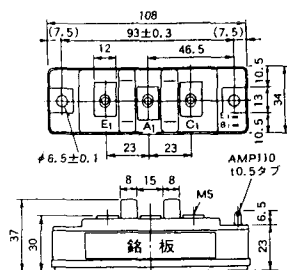
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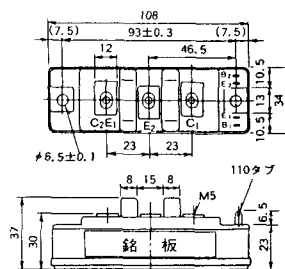
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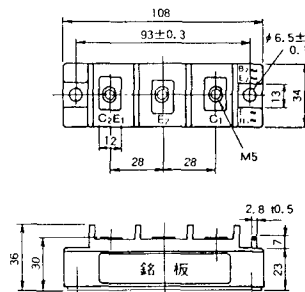
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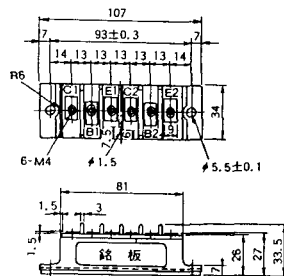
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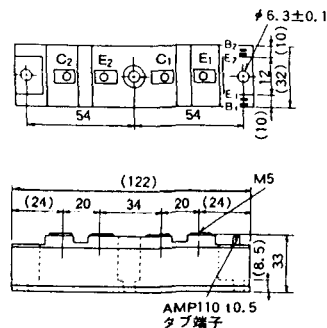
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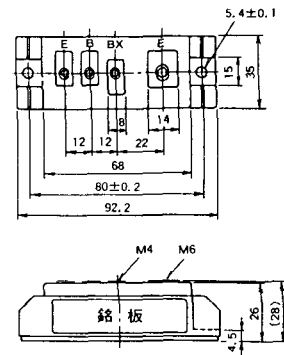
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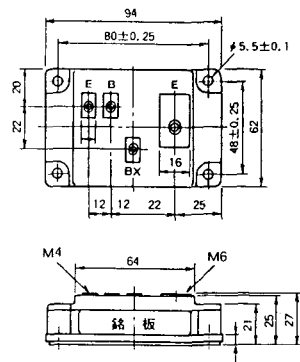
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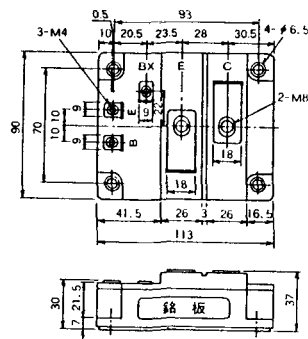
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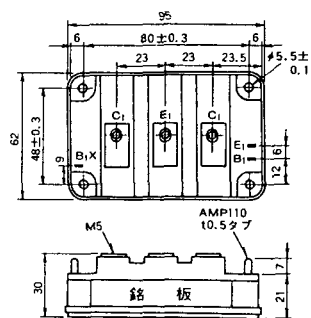
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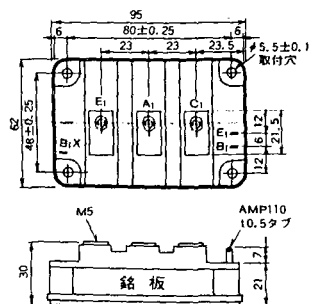
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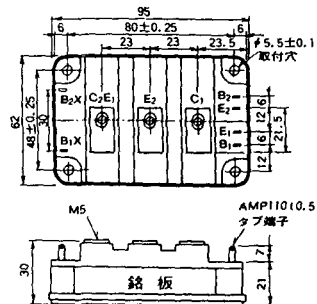
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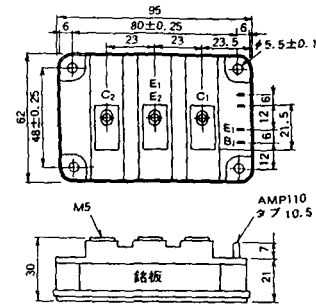
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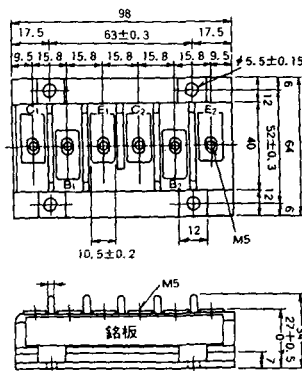
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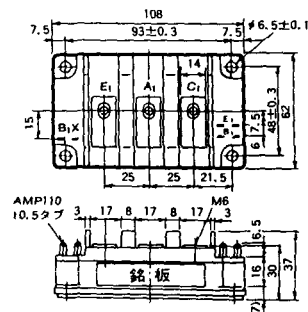
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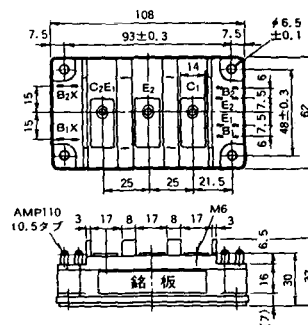
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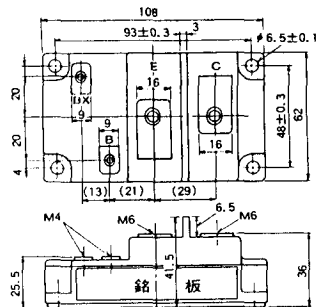
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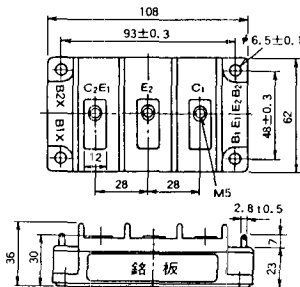
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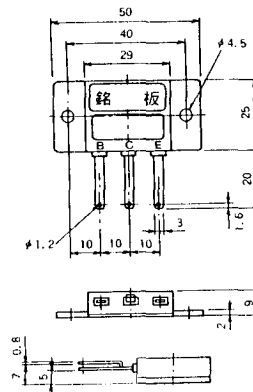
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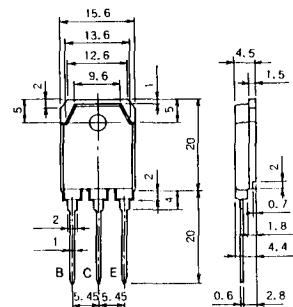
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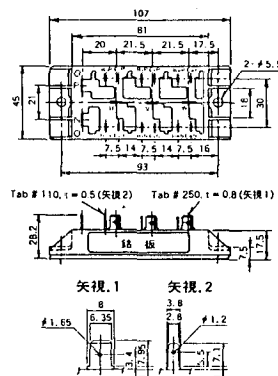
M-1A1B



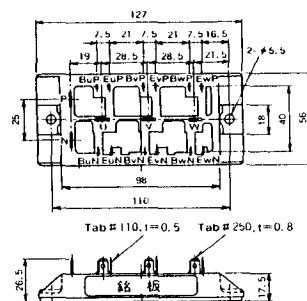
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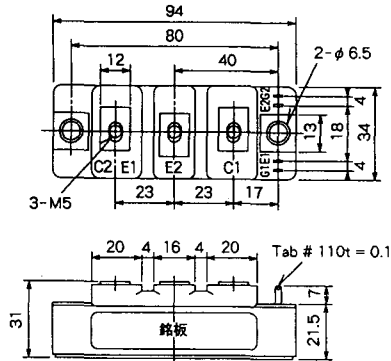
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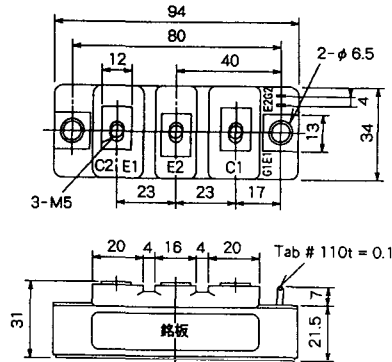
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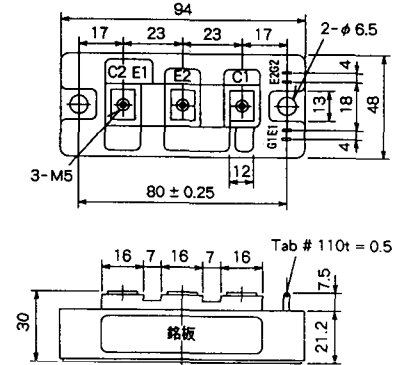
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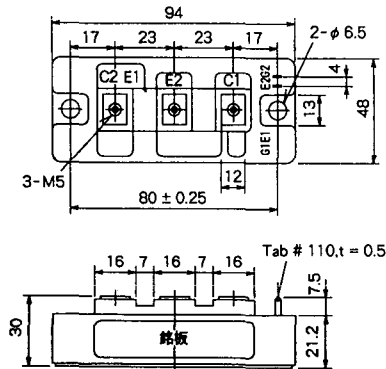
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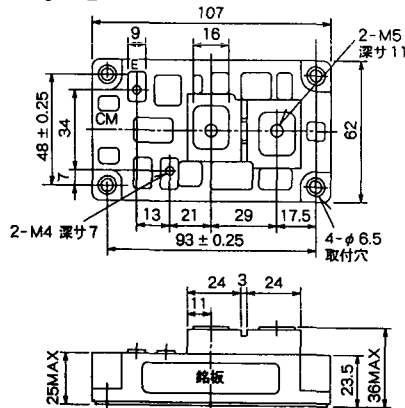
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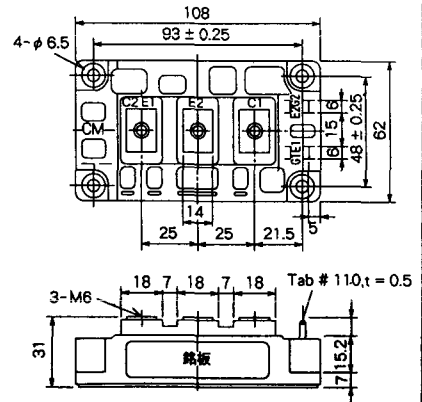
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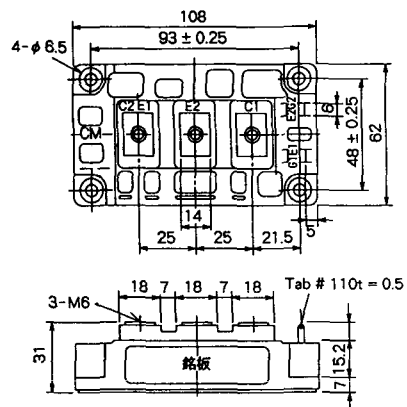
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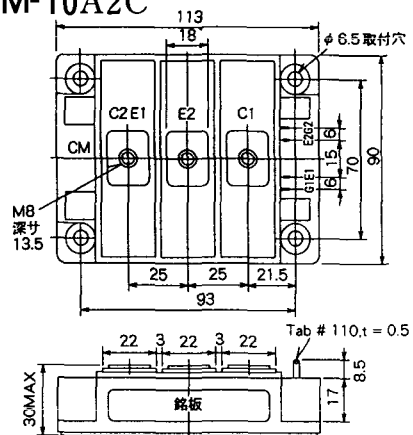
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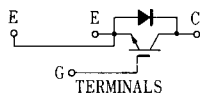
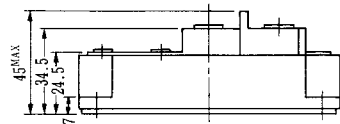
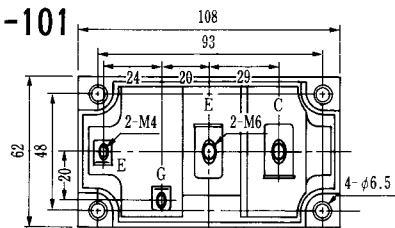
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M-10A2C



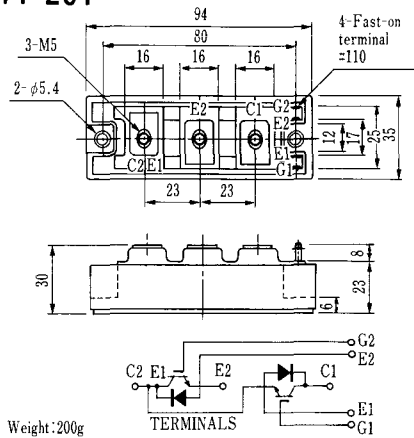
H-101



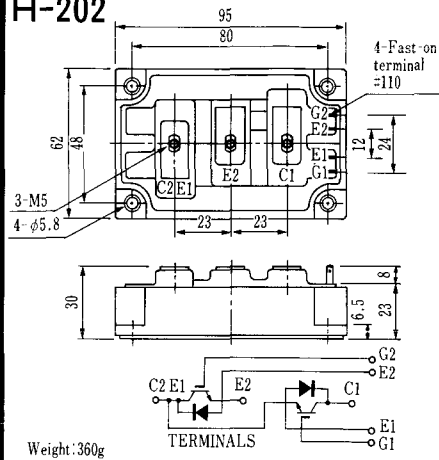
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TERMINALS

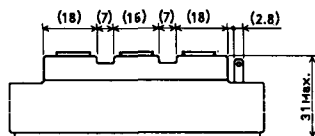
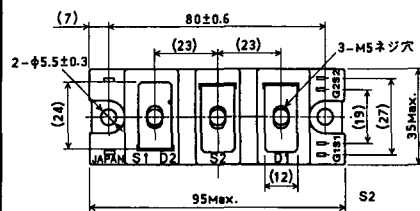
H-201



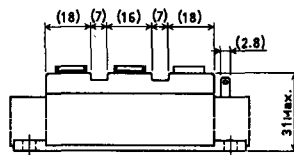
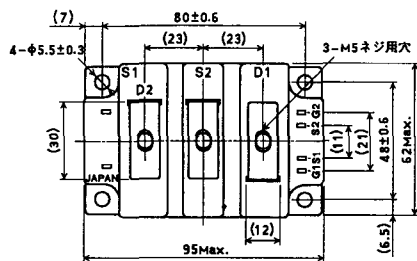
H-202



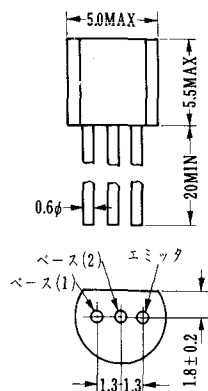
LF-J



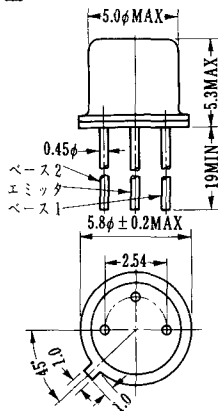
LF-K



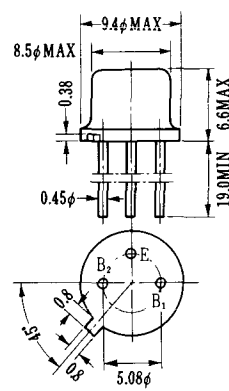
U-1



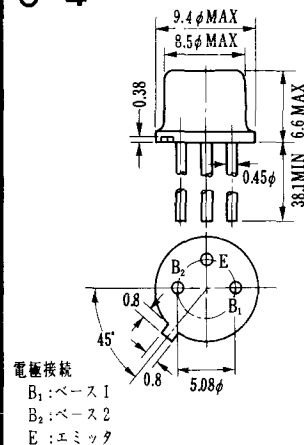
U-2



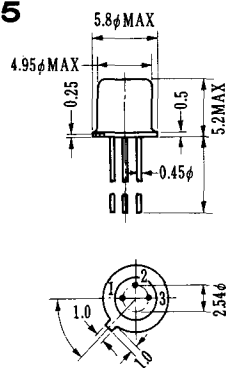
U-3



U-4

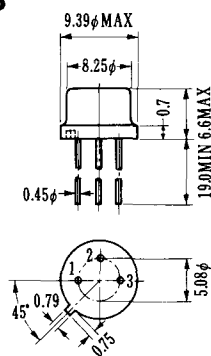


U-5



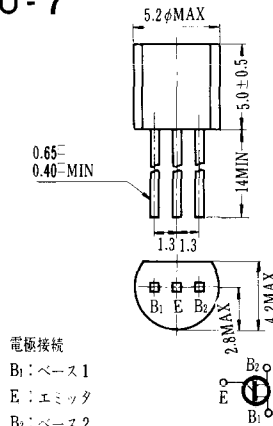
1. BASE 1
2. EMITTER
3. BASE 2 (CASE)

U-6



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

U-7



U-8

