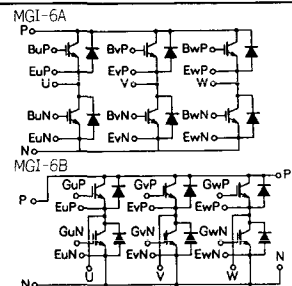
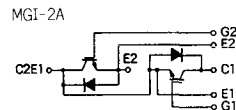
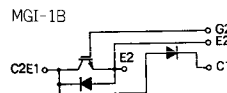
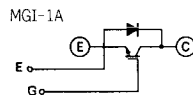


トランジスタ・モジュール (シリコンNチャネル IGBT)

- ・ フリーホイール・ダイオード付
- ・ 絶縁形

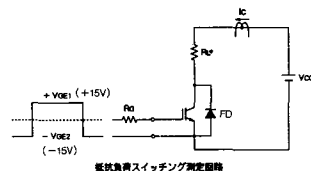
■等価回路



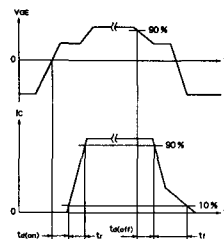
注1. $T_c = 25^\circ\text{C}$. 注2. AC, 1分間。

型 名	最 大 定 格 (T _J =25℃)										電 気 的 特 性 (T _J =25℃)													
	V _{CES}	V _{GES}	I _C	I _{CP}	I _F	I _{FP}	P _C	T _J	T _{stg}	V _{ISO}	I _{GES}	I _{CES}	V _{CES}	V _{GE(OFF)}	V _{CE(SAT)}	I _C								
			(注1)	(1ms)	(注1)	(1ms)	(注1)				(注2)	(nA)	(mA)	(V)	(V)	(V)	(mA)							
	(V)	(V)	(A)	(A)	(A)	(A)	(W)	(℃)	(℃)	(V)	最 大	V _{GE}	最 大	V _{CE}	最 小	I _C	最 小	最 大	V _{CE}	I _C	最 大	V _{GE}	I _C	
CM50DY-12E	600	±20	50	100	50	100	250	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	5.0	3.5	15	50	
CM75DY-12E	600	±20	75	150	75	150	310	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	7.5	3.5	15	75	
CM100DY-12E	600	±20	100	200	100	200	400	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	10	3.5	15	100	
CM150DY-12E	600	±20	150	300	150	300	600	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	15	3.5	15	150	
CM200DY-12E	600	±20	200	400	200	400	780	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	20	3.5	15	200	
CM300DY-12E	600	±20	300	600	300	600	1100	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	30	3.5	15	300	
CM400DY-12E	600	±20	400	800	400	800	1500	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	40	3.5	15	400	
CM50E3Y-12E	600	±20	50	100	50	100	250	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	5.0	3.5	15	50	
CM75E3Y-12E	600	±20	75	150	75	150	310	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	7.5	3.5	15	75	
CM100E3Y-12E	600	±20	100	200	100	200	400	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	10	3.5	15	100	
CM150E3Y-12E	600	±20	150	300	150	300	600	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	15	3.5	15	150	
CM200E3Y-12E	600	±20	200	400	200	400	780	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	20	3.5	15	200	
CM300E3Y-12E	600	±20	300	600	300	600	1100	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	30	3.5	15	300	
CM300HA-12E	600	±20	300	600	300	600	1100	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	30	3.5	15	300	
CM400HA-12E	600	±20	400	800	400	800	1500	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	40	3.5	15	400	
CM50TF-12E	600	±20	50	100	50	100	250	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	5.0	3.5	15	50	
CM75TF-12E	600	±20	75	150	75	150	310	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	7.5	3.5	15	75	
CM100TF-12E	600	±20	100	200	100	200	400	150	-40~125	2500	±500	±20	1.0	600			3.5	6.5	10	10	3.5	15	100	

■スイッチング時間測定回路と波形



低抵抗負荷スイッチング測定回路



スイッチング時間測定波形

注3. スwitching時間は抵抗負荷時の値。

注4. FD: フリーホール・ダイオード。

C ₁₀₀ (f = 1 MHz)								エミッタ・コレクタ間ダイオード								熱抵抗		等 価 回 路	外形図	記 事	型 名
V _{CE} (V)		V _{GE} (V)	スイッチング時間 (ns)				R _G (Ω)	I _C (A)	V _{CC} (V)	V _F (V)		t _{rr} (ns)		R _{thJA} (1-θ) (°C/W)							
標準			t _r	t _{d (ON)}	t _f	t _{d (OFF)}							最大	I _F (A)	最大	I _F (A)	di/dt (A/μs)	トランサクタ部	ダイオード部		
			最大	最大	最大	最大									最大	最大					
10000	10	0	300	150	350	400	13	50	300	2.5	50	200	50	-100	0.5	1.0	MG1-2A	M-4A2D	F D付, 直列接続	CM50DY-12E	
15000	10	0	300	150	350	400	8.3	75	300	2.5	75	200	75	-150	0.4	0.9	MG1-2A	M-4A2D	F D付, 直列接続	CM75DY-12E	
20000	10	0	300	150	350	400	6.3	100	300	2.5	100	200	100	-200	0.31	0.7	MG1-2A	M-4A2D	F D付, 直列接続	CM100DY-12E	
30000	10	0	700	400	350	600	4.2	150	300	2.5	150	200	150	-300	0.21	0.47	MG1-2A	M-4C2A	F D付, 直列接続	CM150DY-12E	
40000	10	0	700	400	350	700	3.1	200	300	2.5	200	200	200	-400	0.16	0.35	MG1-2A	M-4C2A	F D付, 直列接続	CM200DY-12E	
60000	10	0	700	400	350	800	2.1	300	300	2.5	300	200	300	-600	0.11	0.24	MG1-2A	M-9D2A	F D付, 直列接続	CM300DY-12E	
80000	10	0	700	400	350	800	1.6	400	300	2.5	400	200	400	-800	0.085	0.18	MG1-2A	M-10A2C	F D付, 直列接続	CM400DY-12E	
10000	10	0	300	150	350	400	13	50	300	2.5	50	200	50	-100	0.5	1.0	MG1-1B	M-4A2E	F D付	CM50E3Y-12E	
15000	10	0	300	150	350	400	8.3	75	300	2.5	75	200	75	-150	0.4	0.9	MG1-1B	M-4A2E	F D付	CM75E3Y-12E	
20000	10	0	300	150	350	400	6.3	100	300	2.5	100	200	100	-200	0.31	0.7	MG1-1B	M-4A2E	F D付	CM100E3Y-12E	
30000	10	0	700	400	350	600	4.2	150	300	2.5	150	200	150	-300	0.21	0.47	MG1-1B	M-4C2B	F D付	CM150E3Y-12E	
40000	10	0	700	400	350	700	3.1	200	300	2.5	200	200	200	-400	0.16	0.35	MG1-1B	M-4C2B	F D付	CM200E3Y-12E	
60000	10	0	700	400	350	800	2.1	300	300	2.5	300	200	300	-600	0.11	0.24	MG1-1B	M-9D2B	F D付	CM300E3Y-12E	
60000	10	0	700	400	350	800	2.1	300	300	2.5	300	200	300	-600	0.11	0.24	MG1-1A	M-9B1C	F D付	CM300HA-12E	
80000	10	0	700	400	350	800	1.6	400	300	2.5	400	200	400	-800	0.085	0.18	MG1-1A	M-9B1C	F D付	CM400HA-12E	
10000	10	0	300	150	350	400	13	50	300	2.5	50	200	50	-100	0.5	1.0	MG1-6A	M-2B6C	F D付, 3相ブリッジ接続	CM50TF-12E	
15000	10	0	300	150	350	400	8.3	75	300	2.5	75	200	75	-150	0.4	0.9	MG1-6B	M-12B6A	F D付, 3相ブリッジ接続	CM75TF-12E	
20000	10	0	300	150	350	400	6.3	100	300	2.5	100	200	100	-200	0.31	0.7	MG1-6B	M-12B6A	F D付, 3相ブリッジ接続	CM100TF-12E	

FD-1



FD-2



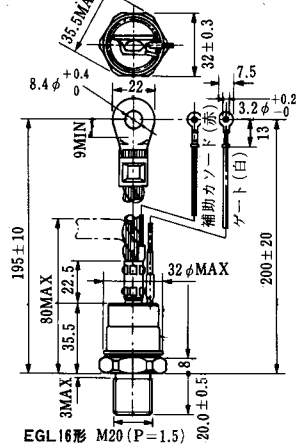
FD-3



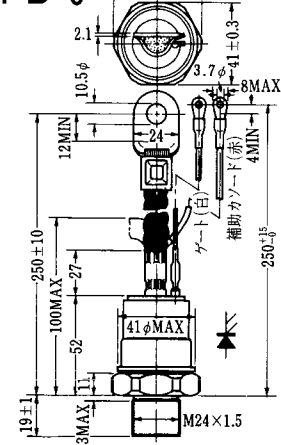
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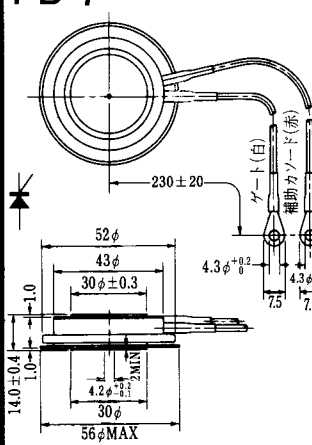
FD-5



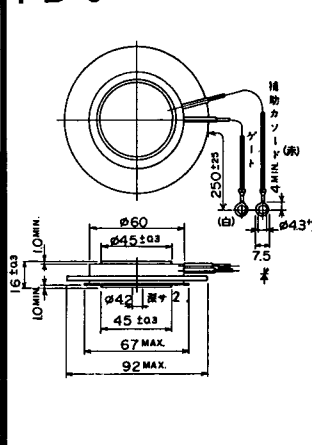
FD-6



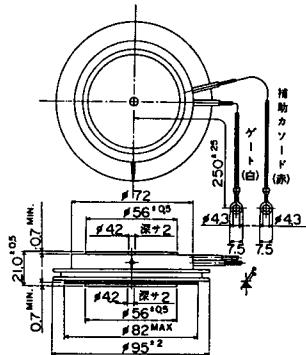
FD-7



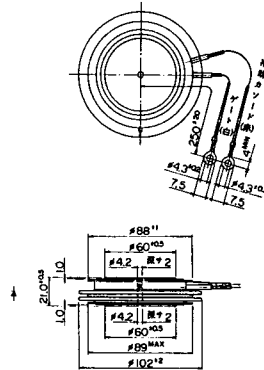
FD-8



FD-9

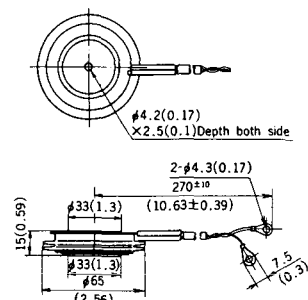
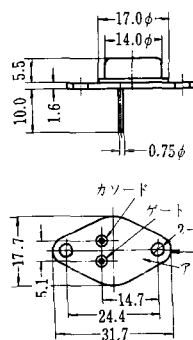
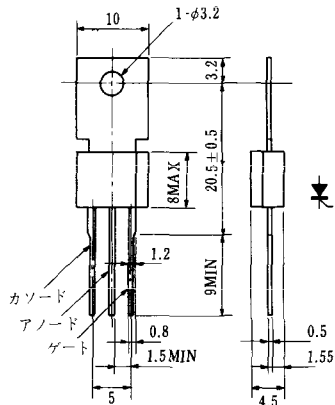


FD-10

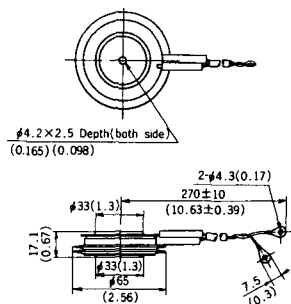


FD-11

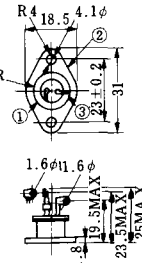
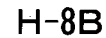
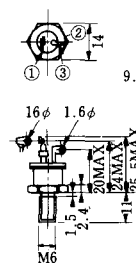
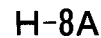
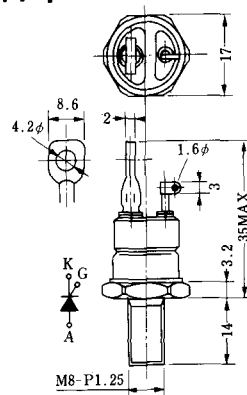
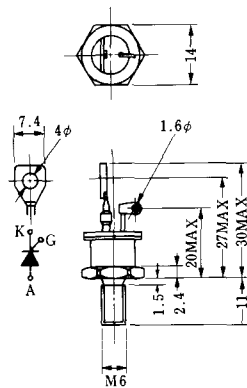
FD-12



Unit in mm(inch)



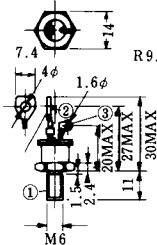
Unit in mm(inch)



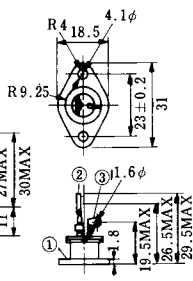
K
A

- ①アノード
②カソード
③ゲート

H-9A



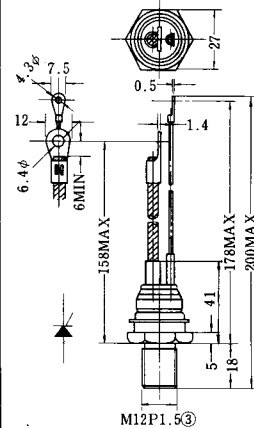
H-9B



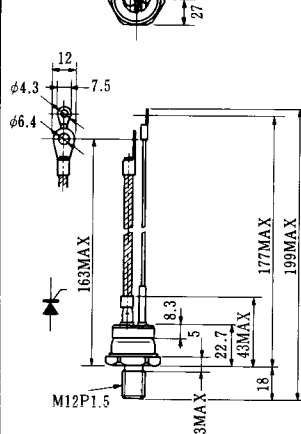
- ①アノード
②カソード
③ゲート



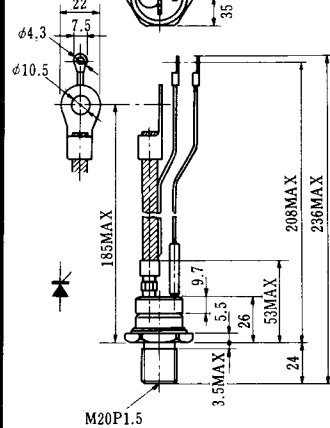
H-10



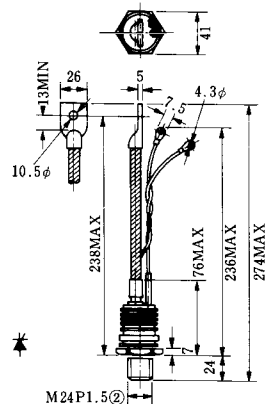
H-11



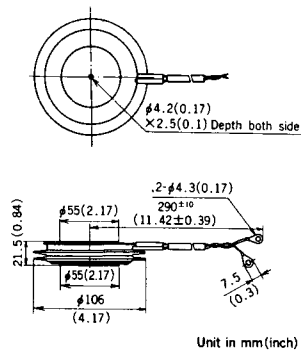
H-12



H-13

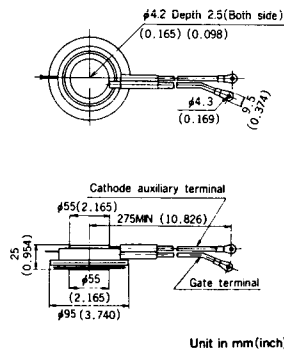


H-14



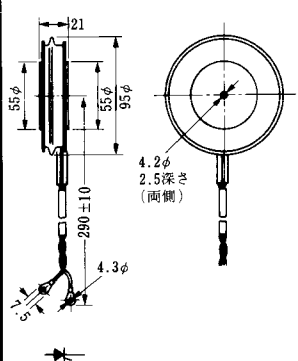
Unit in mm (inch)

H-15

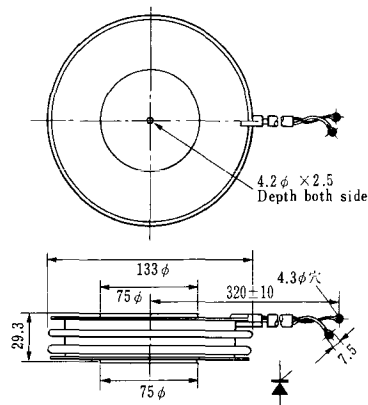


Unit in mm (inch)

H-16



H-17



H-18



H-19



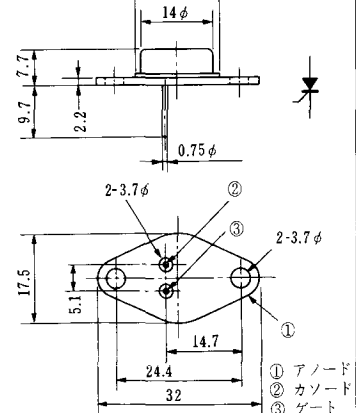
H-20



H-21



H-22



H-23



H-24



H-25



H-26



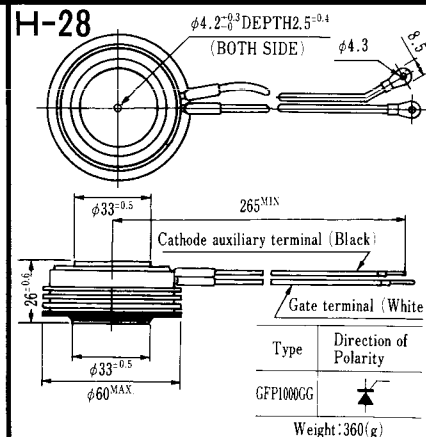
Type	Direction of polarity
CA12	

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. Weight: 870(g)

H-30



Note : The thickness is a dimension in press at the rated mounting force. Weight: 1,460(g)

HT-1

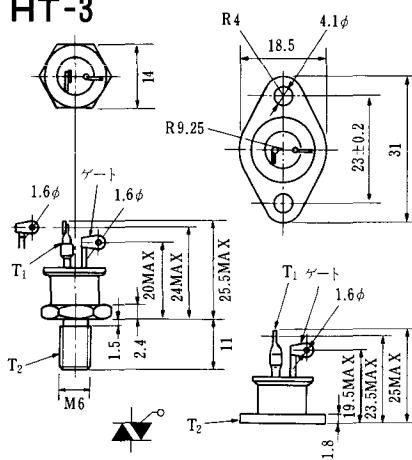


Unit in mm (inch)

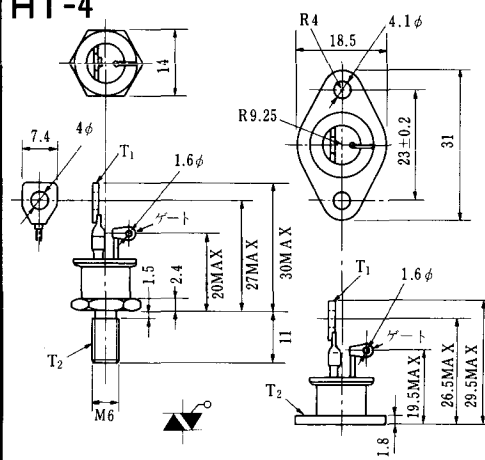
HT-2



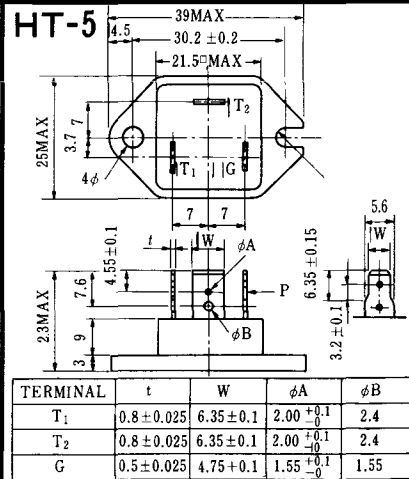
HT-3



HT-4



HT-5

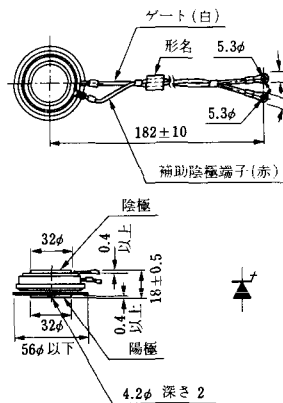


《寸法図単位：mm》

M-1



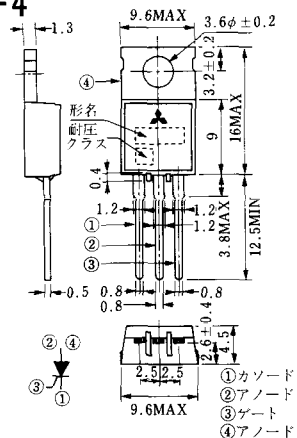
M-2



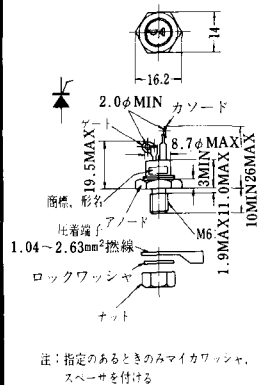
M-3



M-4



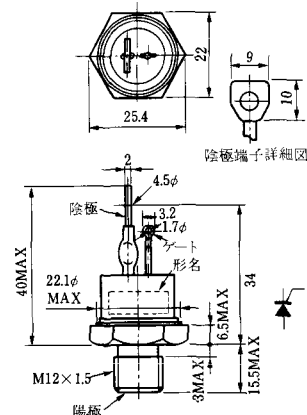
M-5



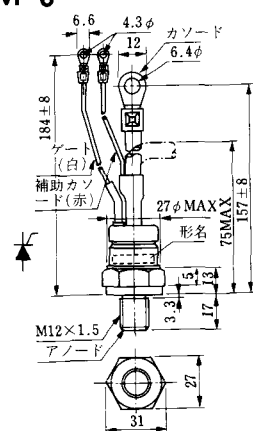
M-6



M-7



M-8



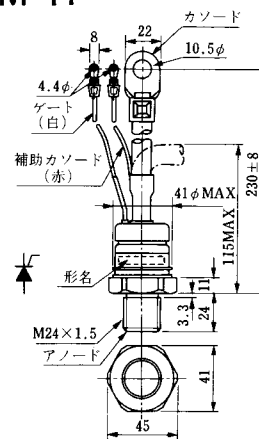
M-9



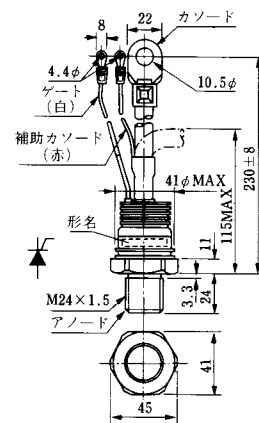
M-10



M-11



M-12



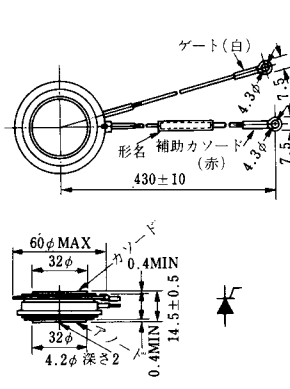
M-13



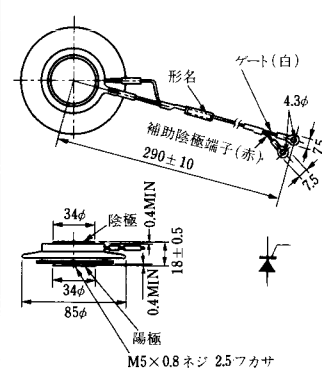
M-14



M-15



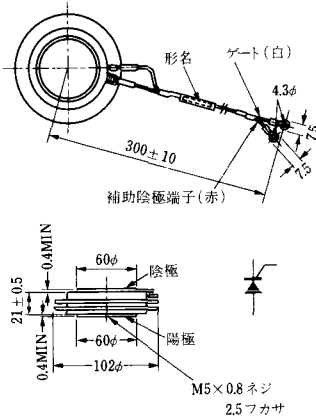
M-16



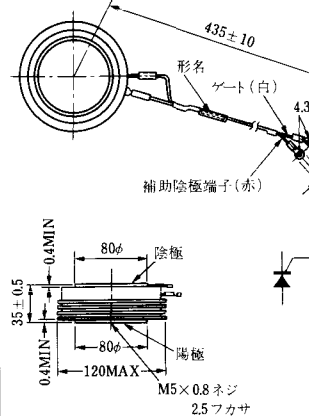
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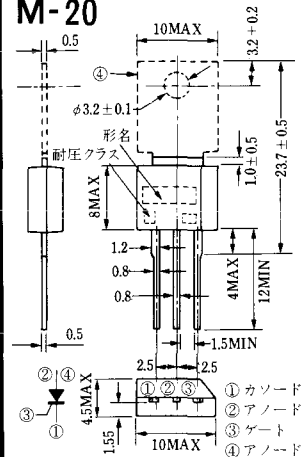
M-18



M-19



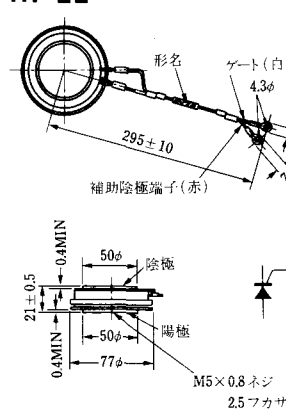
M-20



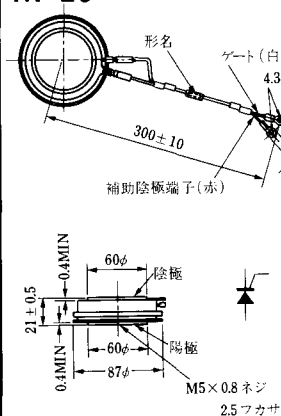
M-21



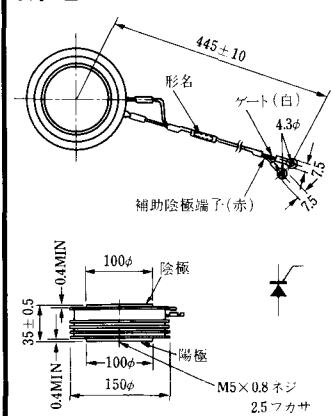
M-22



M-23



M-24



M-25



M-26



M-27



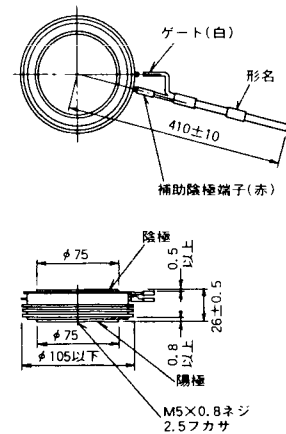
M-28



M-29



M-30



M-31



M-32



M-33



M-34



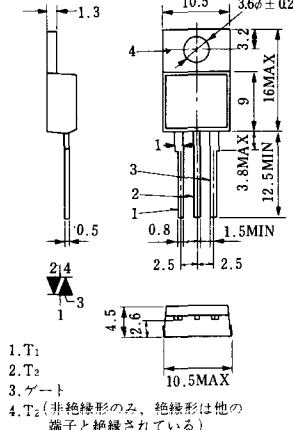
MT-1



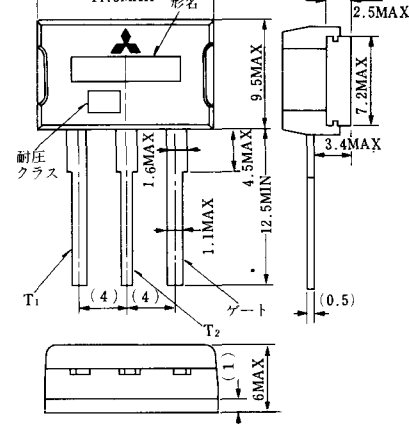
MT-2



MT-3



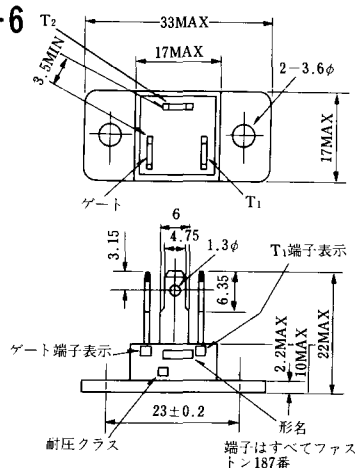
MT-4



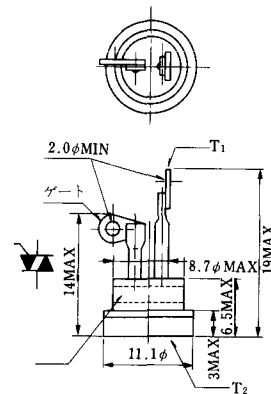
MT-5



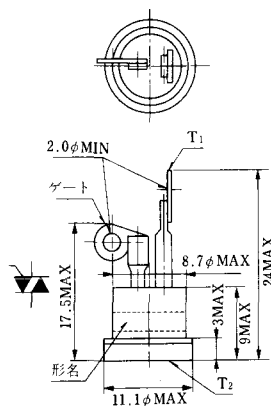
MT-6



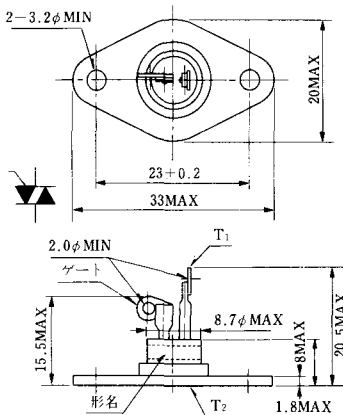
MT-7



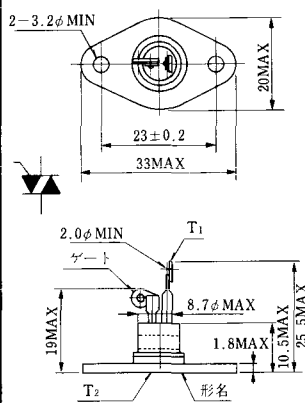
MT-8



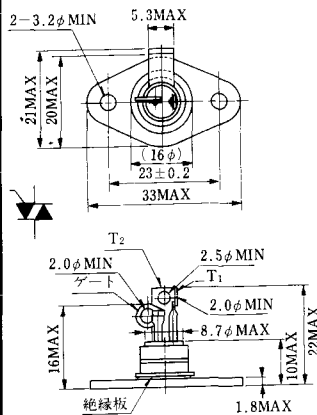
MT-9



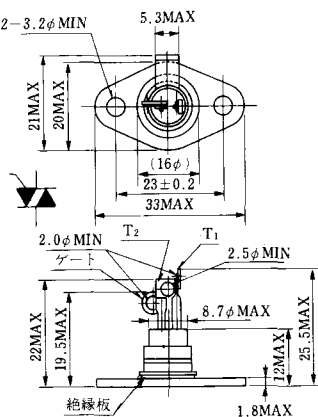
MT-10



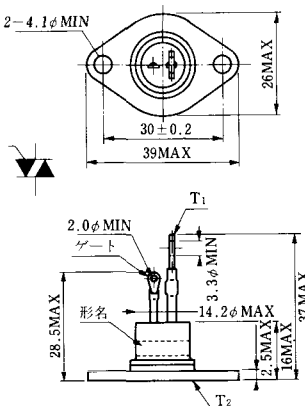
MT-11



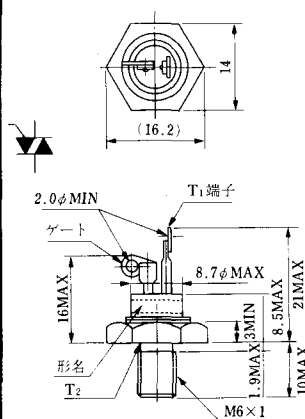
MT-12



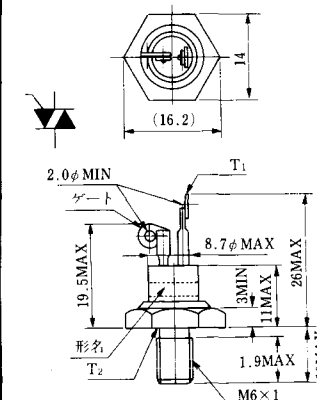
MT-13



MT-14



MT-15



MT-16



MT-17



MT-18



MT-19



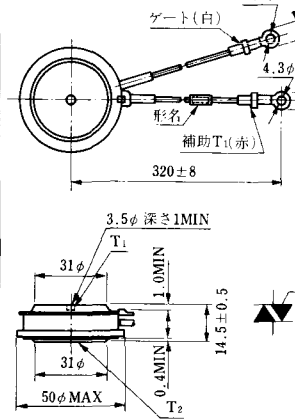
MT-20



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

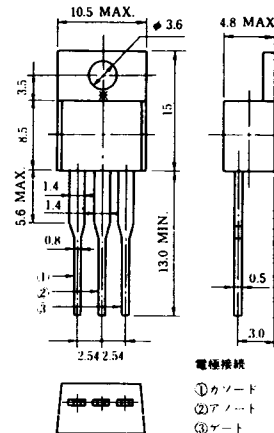
N-3



電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-4



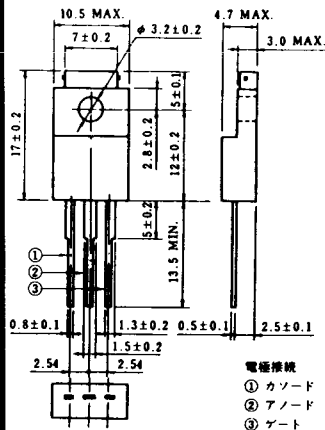
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-5



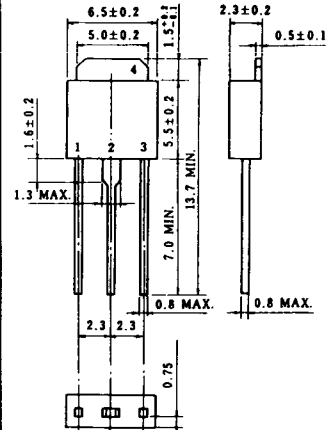
N-6



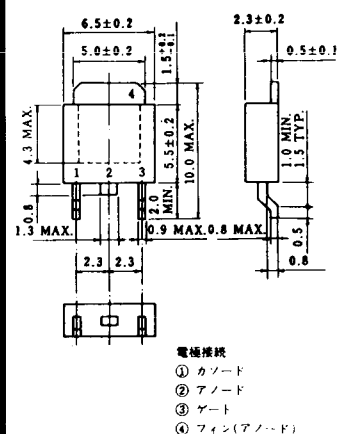
電極接続

- 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

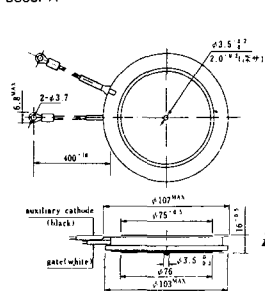
NI-16

503PLF
503PLH



NI-17

3003PA



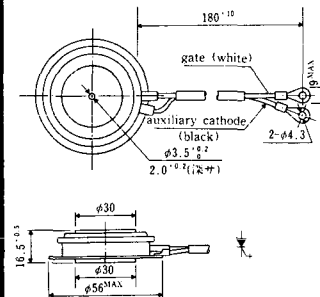
NI-18

353PGA「E



NI-19

603PGA, 603PGA「A, 803PGA



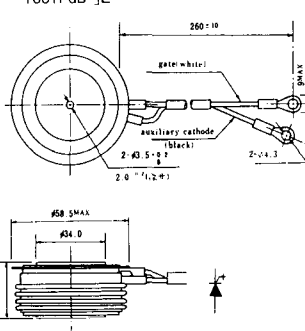
NI-20

603PGA「E



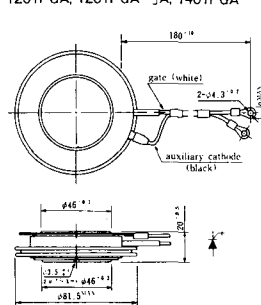
NI-21

1001PGB「E



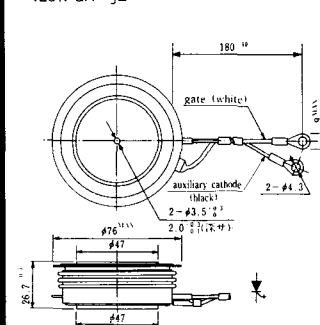
NI-22

1201PGA, 1201PGA「A, 1401PGA



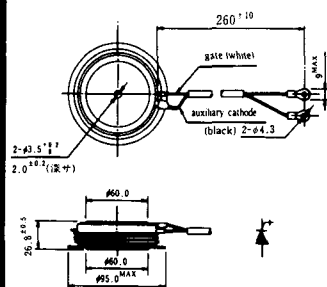
NI-23

1201PGA「E



NI-24

2001PGB⁺ J_E



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



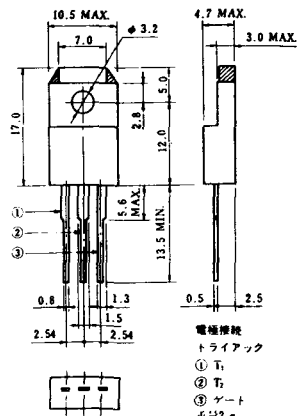
電極接続
① T₁
② T₂
③ ゲート

NT-4



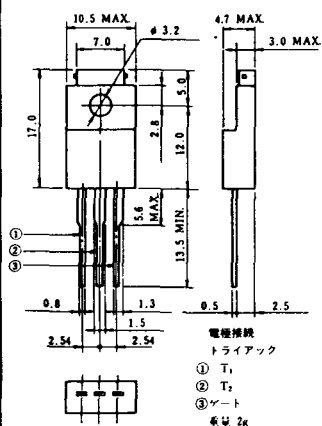
電極接続
① T₁
② T₂
③ G

NT-5



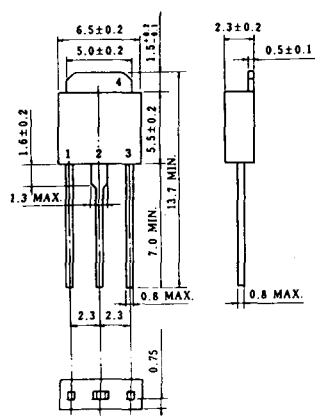
電極接続
トライアック
① T₁
② T₂
③ ゲート
※ 2g

NT-6

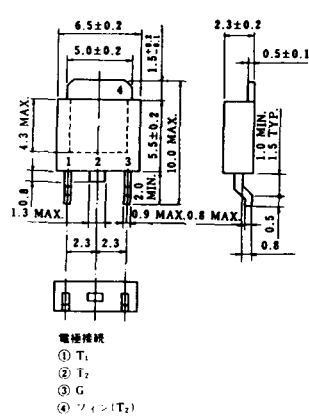


電極接続
トライアック
① T₁
② T₂
③ ゲート
※ 2g

NT-7



NT-8



電極接続
① T₁
② T₂
③ G
④ フォイン(T₂)

S-1



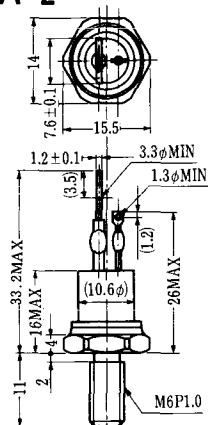
ST-1



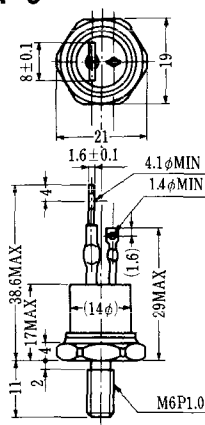
SA-1



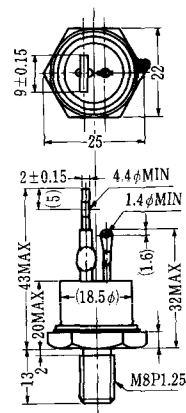
SA-2



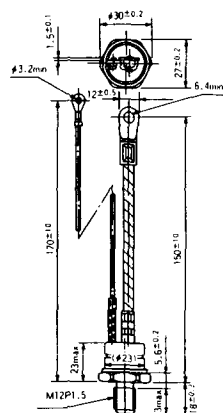
SA-3



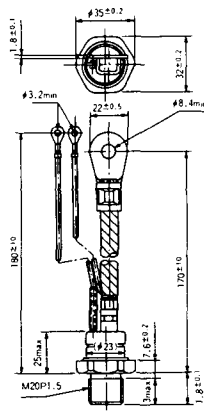
SA-4



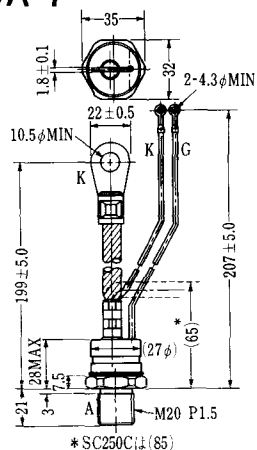
SA-5



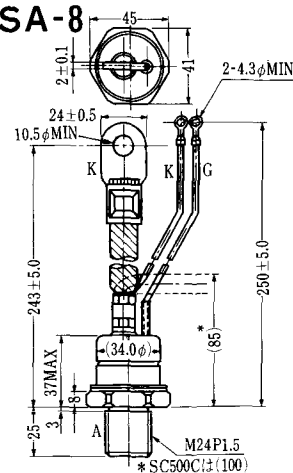
SA-6



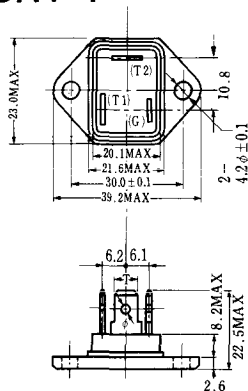
SA-7



SA-8

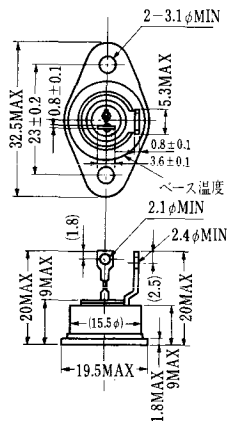


SAT-1



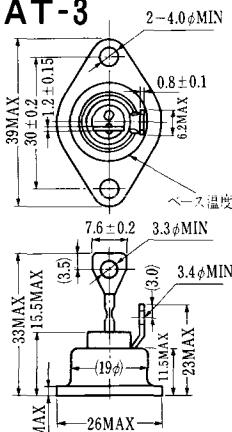
T1端子: ファストン 250 (T=6.35, t=0.8, φ=1.65)
 T2端子: ファストン 250 (T=6.35, t=0.8, φ=1.65)
 G 端子: ファストン 187 (T=4.75, t=0.5, φ=1.3)

SAT-2

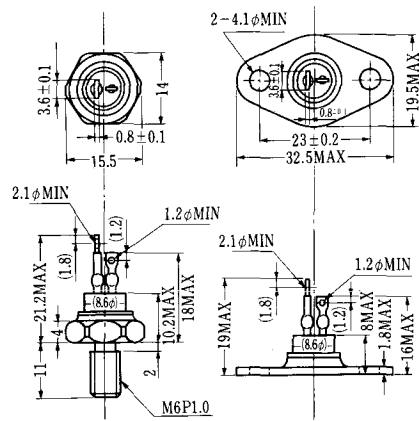


スペース留め

SAT-3

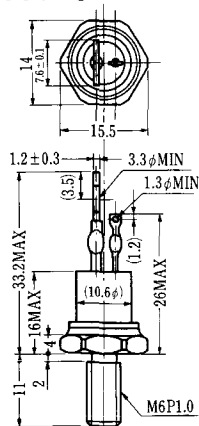


SAT-4



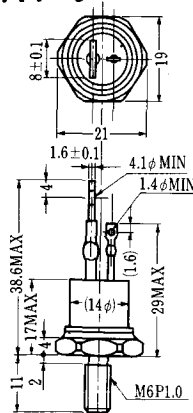
M6P1.0

SAT-5



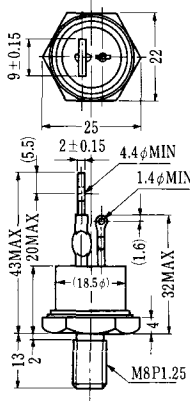
M6P1.0

SAT-6



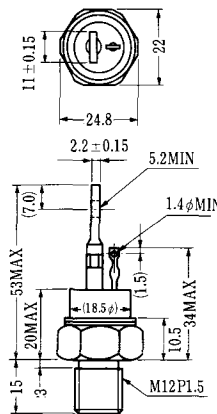
M6P1.0

SAT-7



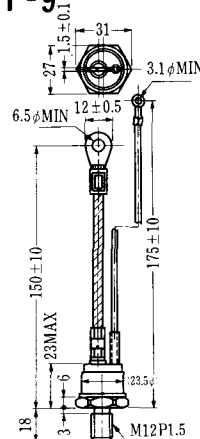
M8P1.25

SAT-8



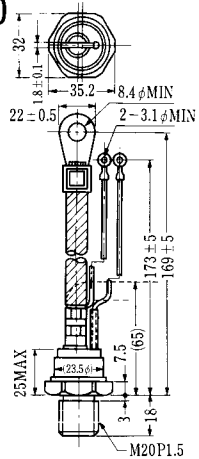
M12P1.5

SAT-9

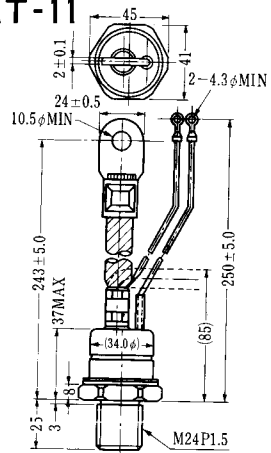


M12P1.5

SAT-10



SAT-11



SY-1(1096A)



SY-2(1151)



SY-3(1104)



SY-4(1150)



1097A



G: Gate

1102



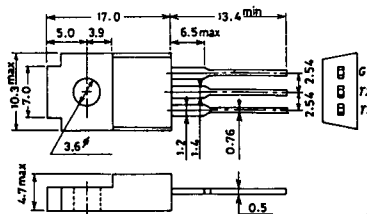
1141



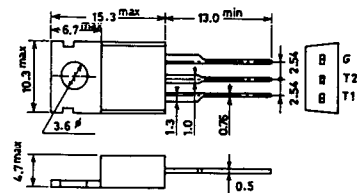
1142



1144



1155



1192A

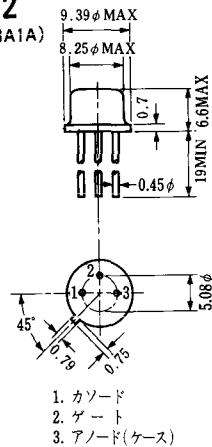


G: Gate

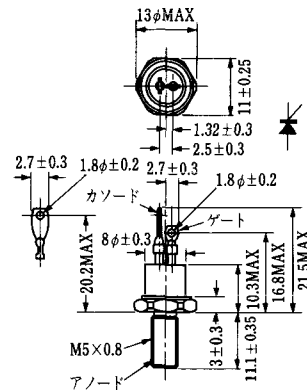
T-1 (13-5A1A)



T-2 (13-8A1A)



T-3 (13-8C1A)



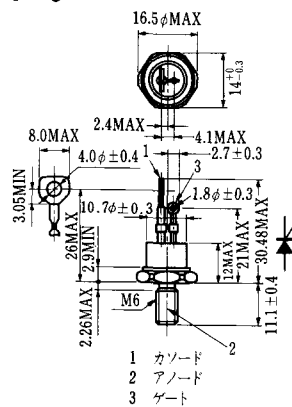
T-4 (13-10A1A)



T-5 (13-10B1A)



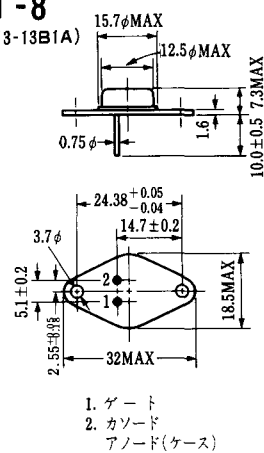
T-6 (13-11D1A)



T-7 (13-13A1A)



T-8 (13-13B1A)



T-17 (13-42A1A)



T-18 (13-45D1A)



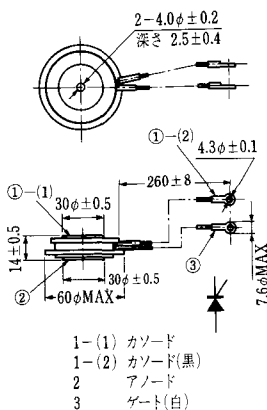
T-19 (13-52B1A)



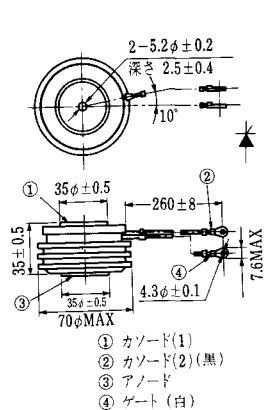
T-20 (13-52C1A)



T-21 (13-60A1A)



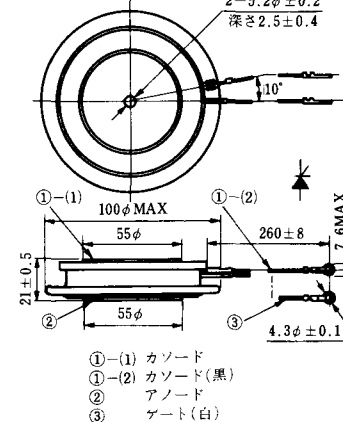
T-22 (13-70C1A)



T-23 (13-78A1A)



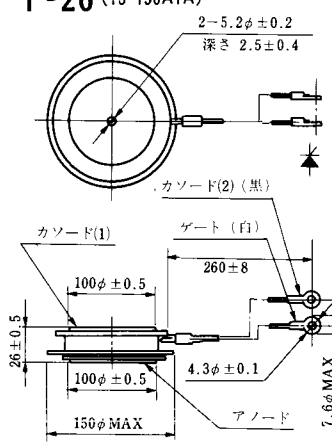
T-24 (13-100C1A)



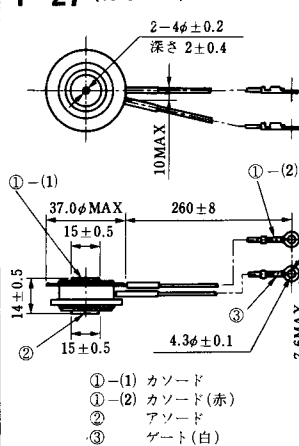
T-25 (13-120A2A)



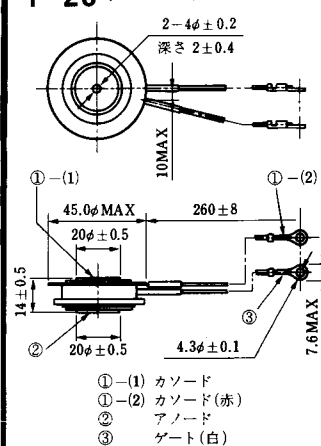
T-26 (13-150A1A)



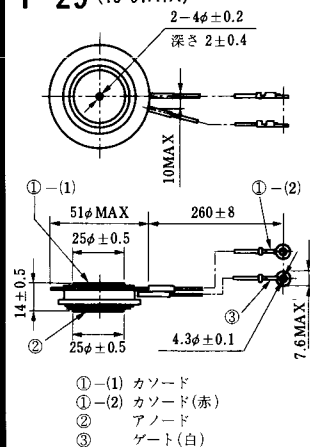
T-27 (13-37A1A)



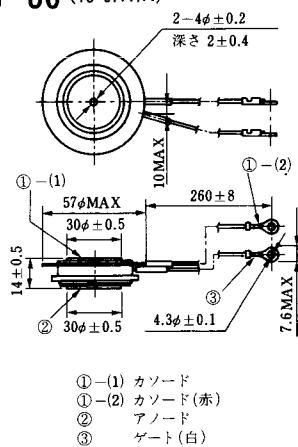
T-28 (13-45E1A)



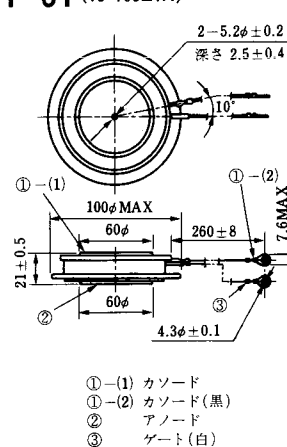
T-29 (13-51A1A)



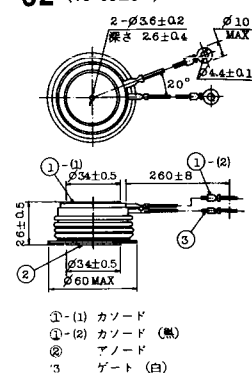
T-30 (13-57A1A)



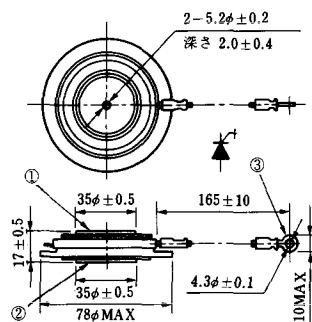
T-31 (13-100E1A)



T-32 (13-60E3A)

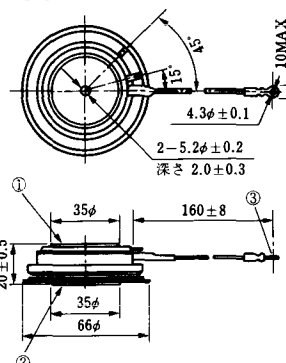


T-33 (13-78B1A)



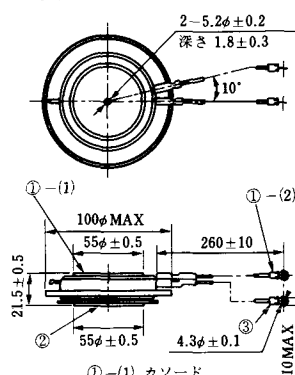
- ① カソード
- ② アノード
- ③ ゲート

T-34 (13-66A1A)



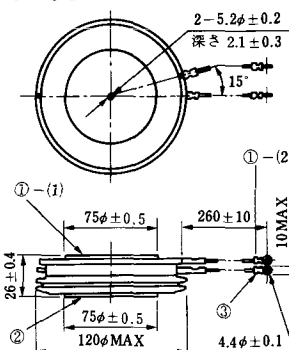
- ① カソード
- ② アノード
- ③ ゲート

T-35 (13-100D1A)



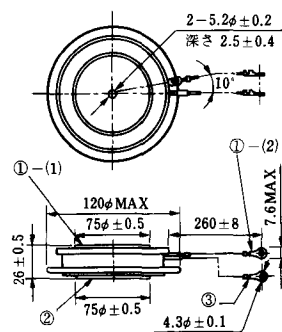
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-36 (13-120E1A)



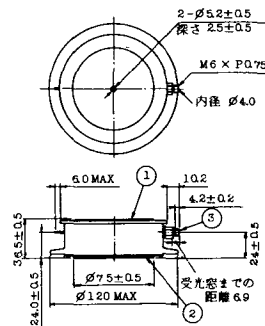
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-37 (13-120A1A)



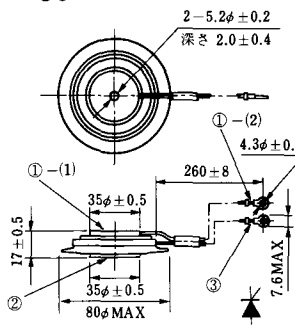
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-38 (13-120C1A)



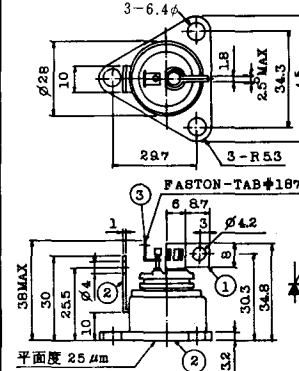
- ① カソード
- ② アノード
- ③ ゲート

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

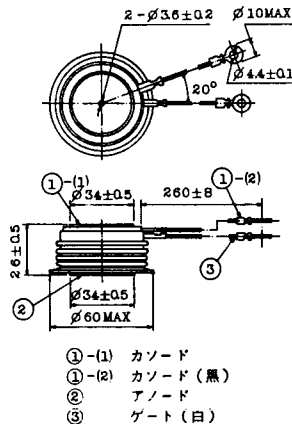
T-41 (13-28A2A)



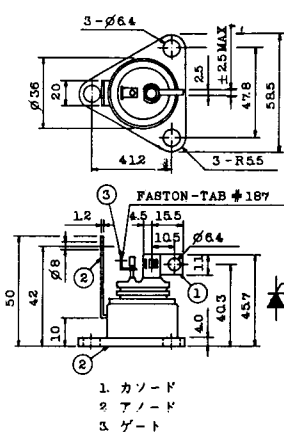
T-42 (13-45F1A)



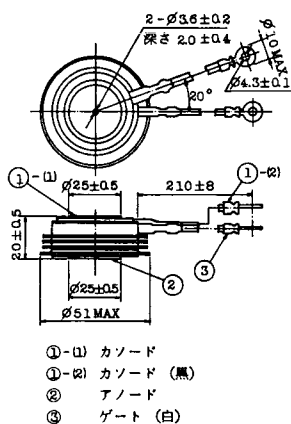
T-43 (13-60E2A)



T-44 (13-36A1A)



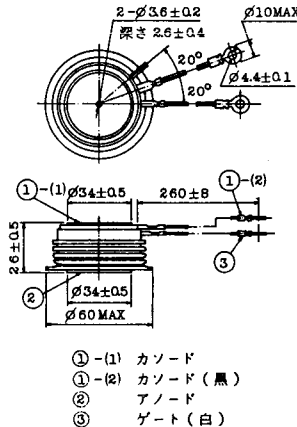
T-45 (13-51B1A)



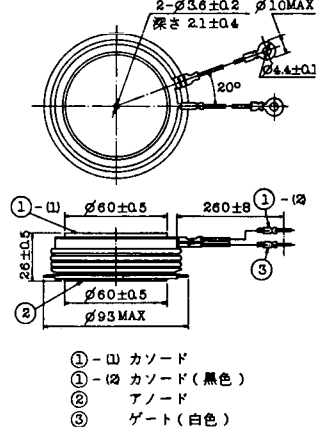
T-46 (13-36B1A)



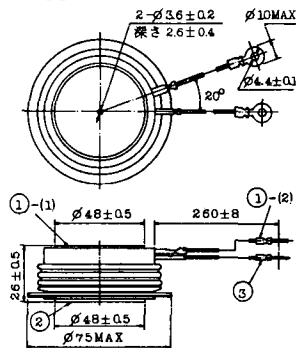
T-47 (13-60E1A)



T-48 (13-93C1A)

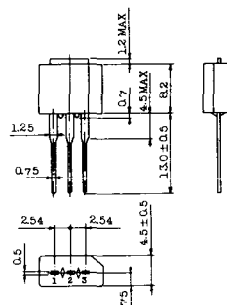


T-49 (13-75A1A)



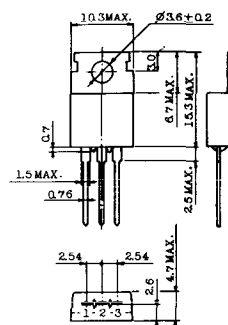
- 1-(1) カソード
1-(2) カソード (黒)
2 アノード
3 ゲート (白)

T-50 (13-10A3A)



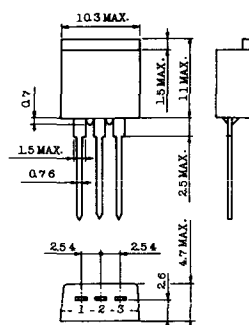
- 1 カソード
2 アノード
3 ゲート

T-51 (13-10D1A)



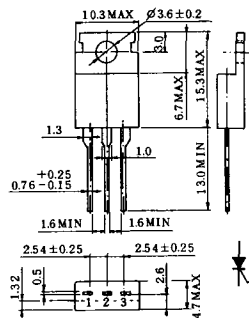
- 1 カソード
2 アノード
3 ゲート

T-52 (13-10D2A)



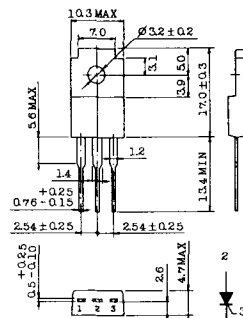
- 1 カソード
2 アノード
3 ゲート

T-53 (13-10E1B)



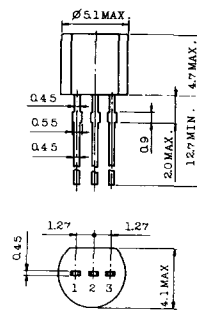
- 1 カソード
2 アノード
3 ゲート

T-54 (13-10F1B)



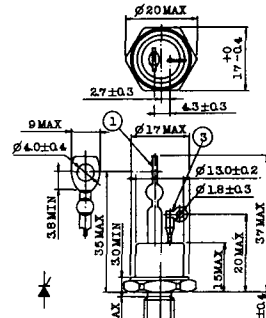
- 1 カソード
2 アノード
3 ゲート

T-55 (13-5A1D)



- 1 カソード
2 ゲート
3 アノード

T-56 (13-13C1A)

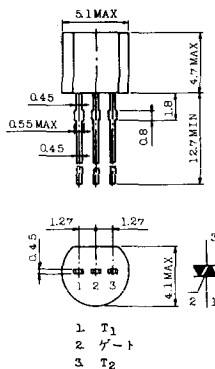


- 1 カソード
2 アノード
3 ゲート

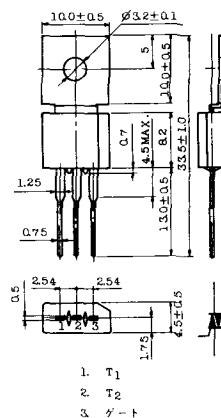
TT-1



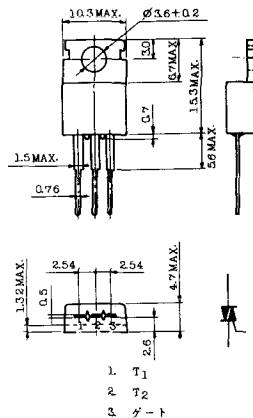
TT-2



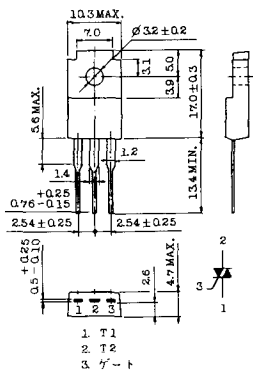
TT-3



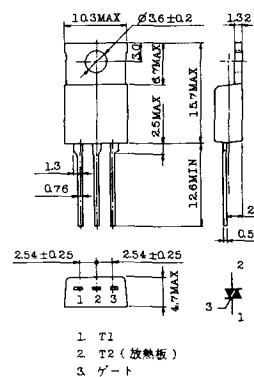
TT-4



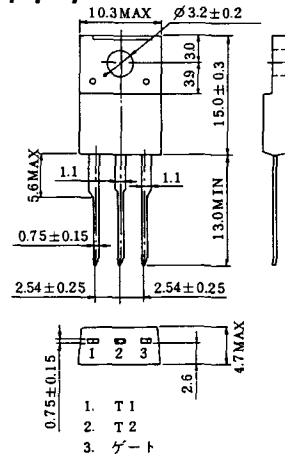
TT-5



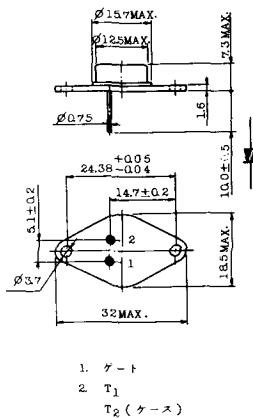
TT-6



TT-7



TT-8



TT-9



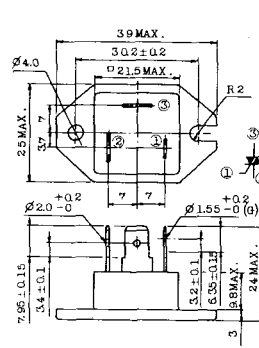
1. ゲート
2. T₁
3. T₂ (ケース)

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)

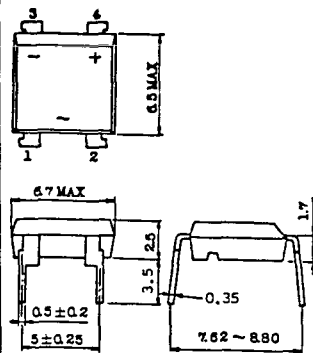
TT-12



ゲート端子詳細

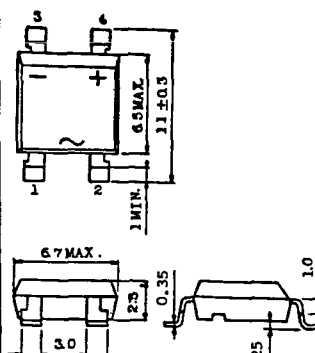
- ① ゲート (ファストン端子 #187)
- ② T₁ (" #250)
- ③ T₂ (" #250)

TT-13



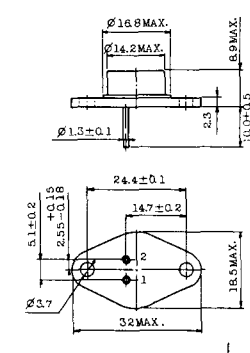
- 1, 2: T₂
- 3: GATE
- 4: T₁

TT-14



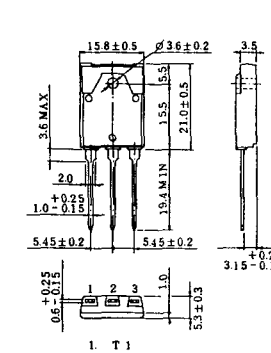
- 1, 2: T₂
- 3: GATE
- 4: T₁

TT-15 (13-14A1B)

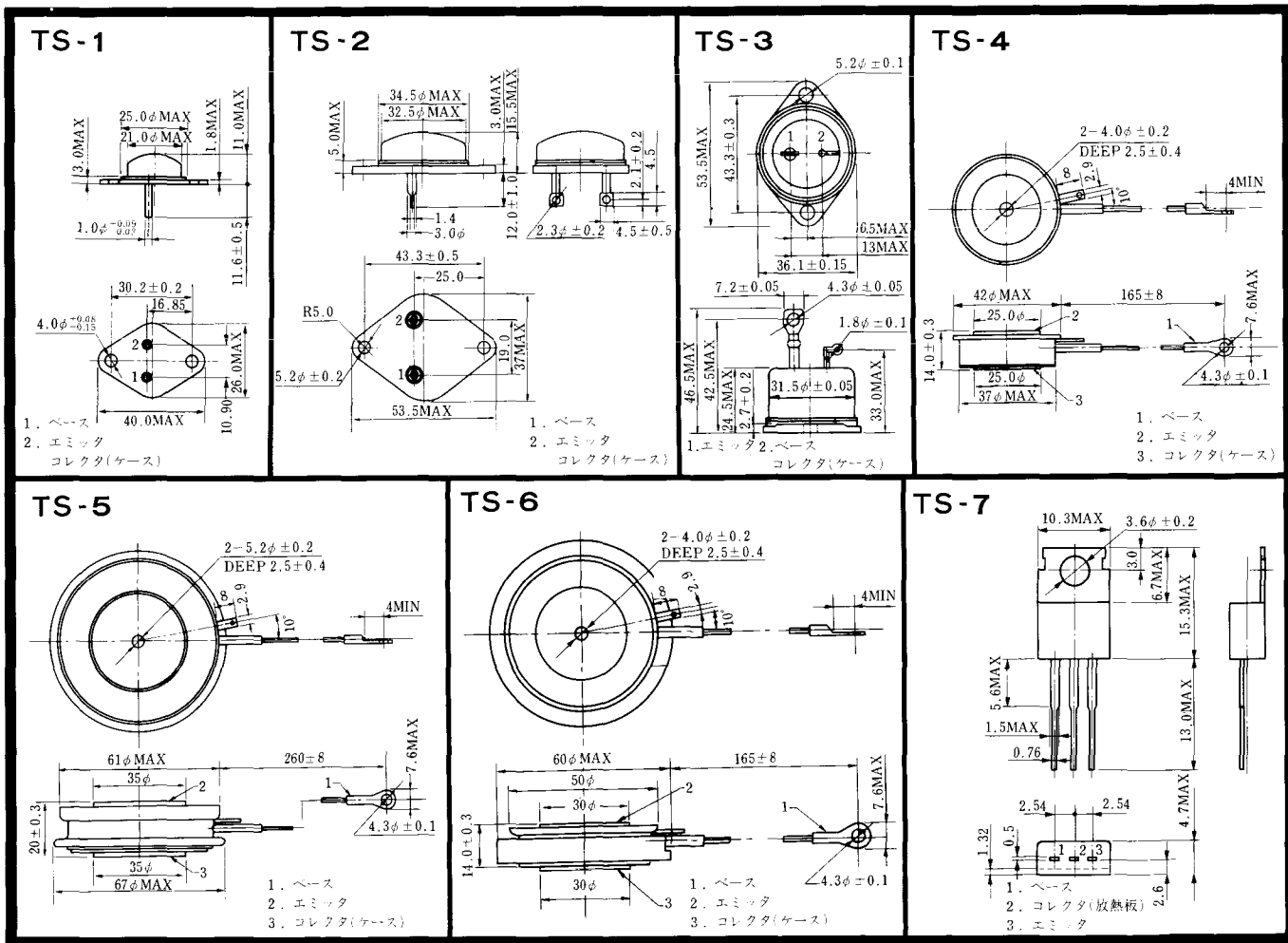


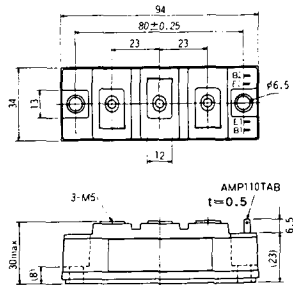
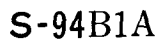
1. ゲート
2. T₁
- T₂ (ケース)

TT-16 (13-16A1A)

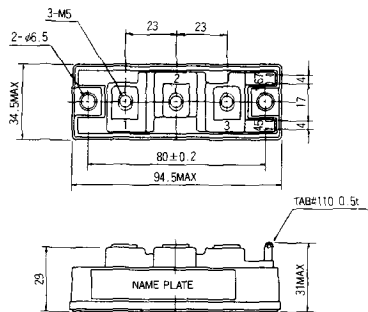


1. T₁
2. T₂
3. ゲート

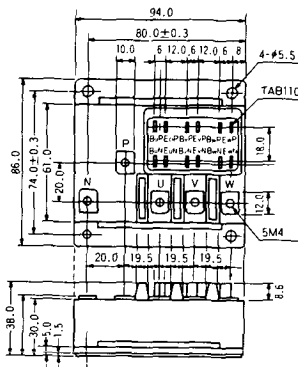




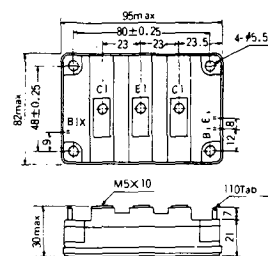
S-94B2A



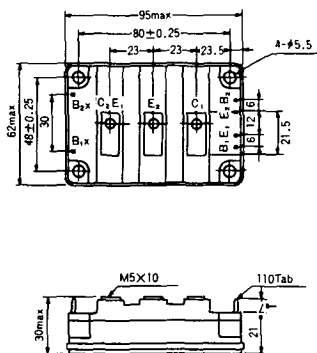
S-94D1A



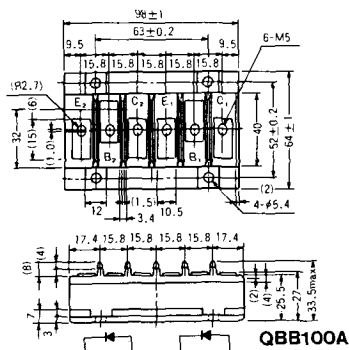
S-95A1A



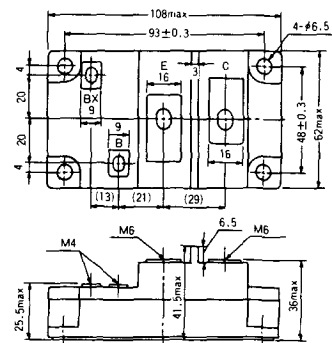
S-95B1A



S-98B1B



S-108A2A



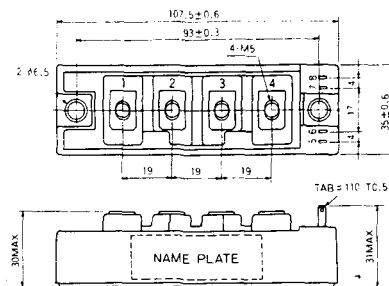
S-108B1A



S-108B1B



S-108B1C



S-108B2A



S-108B2B



2-22B1A



2-27A4A



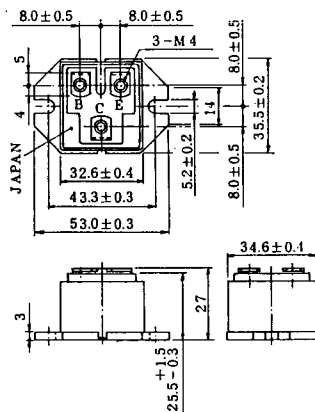
2-33C1A



2-33D1A



2-33F1A



2-37A1A



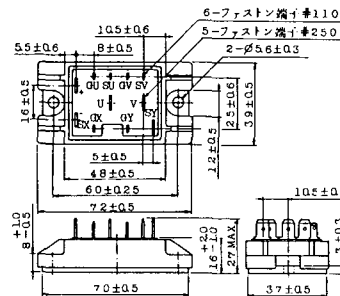
2-48A3A



2-48A3B



2-48A4A



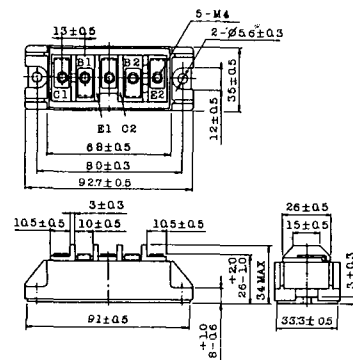
2-64A2A



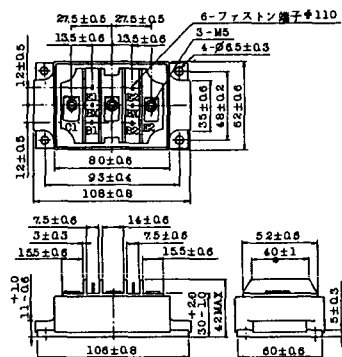
2-64A2B



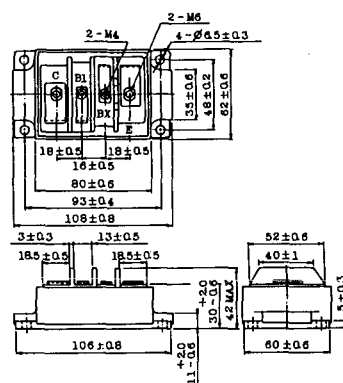
2-68A2A



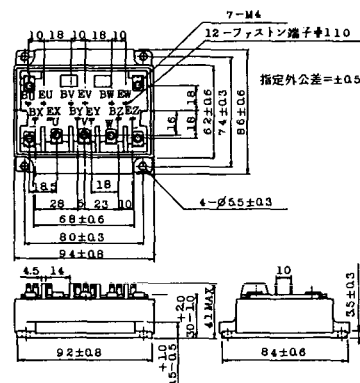
2-80C1A



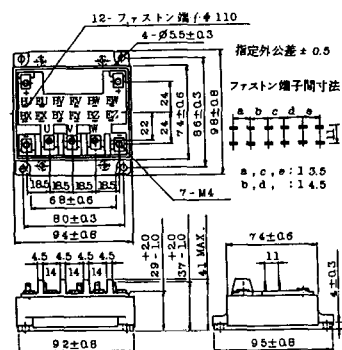
2-80D2A



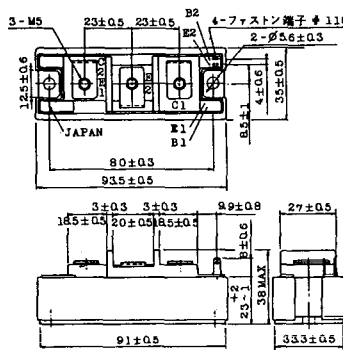
2-94A2A



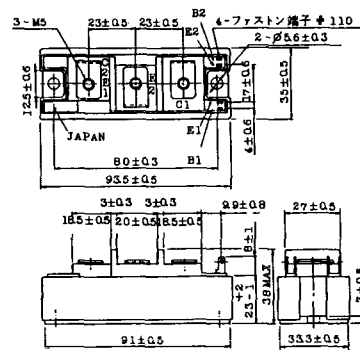
2-94B1A



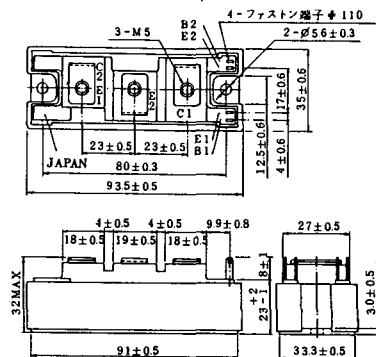
2-94C2A



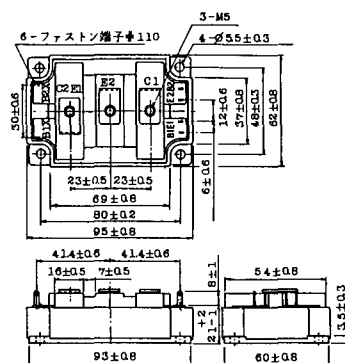
2-94C3A



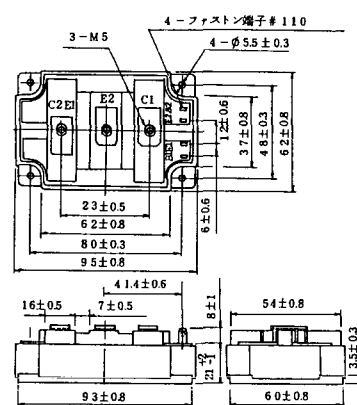
2-94D1A



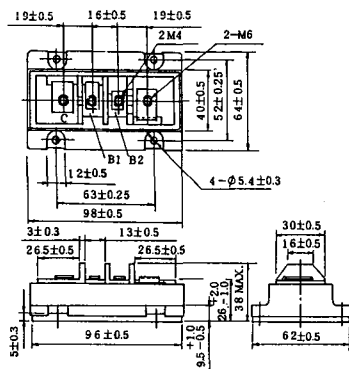
2-96A3A



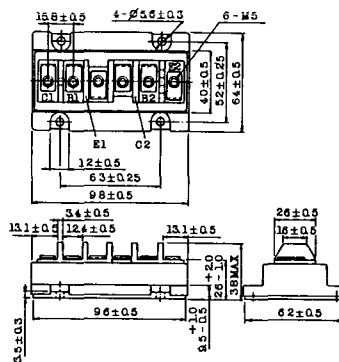
2-96A4A



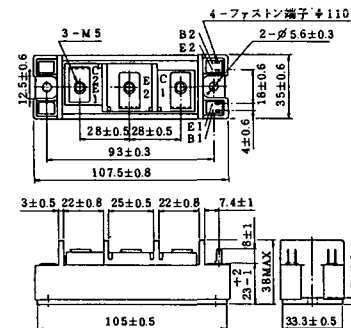
2-98B1A



2-98C2A



2-108A2A



BBT-II

BBTII
1D200A-020



BBT-III

BBTIII
ETN31-055
ETN36-030
ETN36-030
ETN35-030



BBT-III

BBTIII
ETN01-055
ET1257

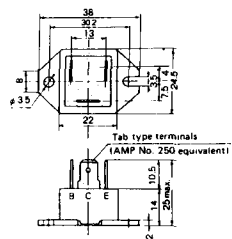


BBT-IV

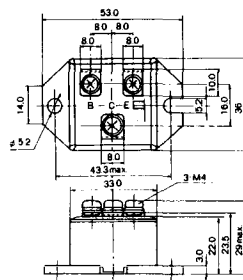
BBTIV
1D500A-030



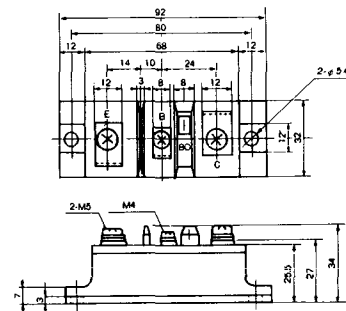
M-101



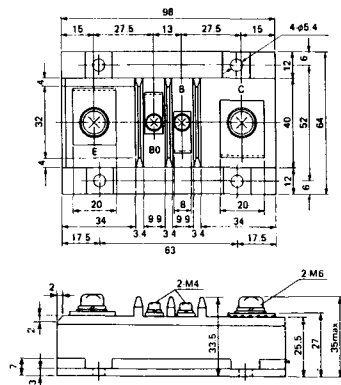
M-102



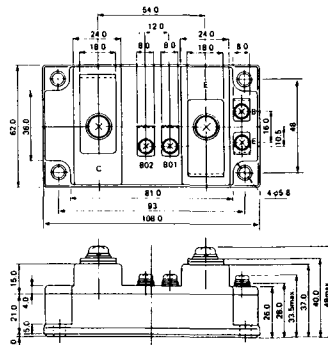
M-103



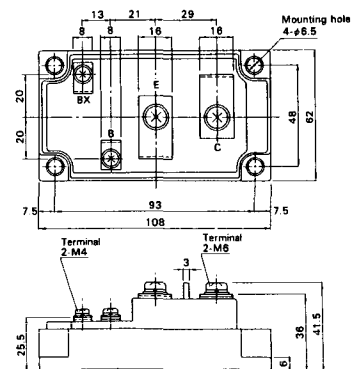
M-104



M-105



M-106



M-107



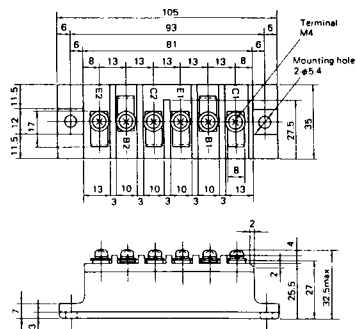
M-116



M-201



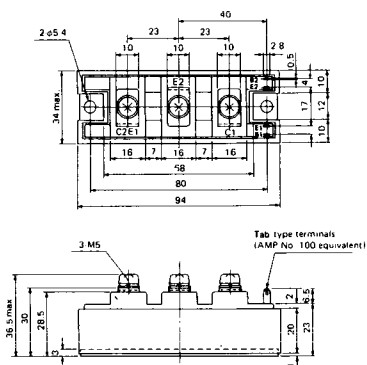
M-202



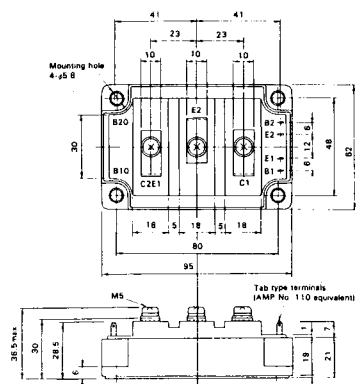
M-203



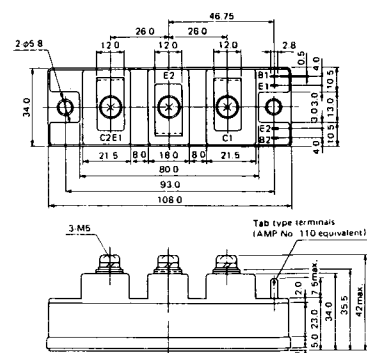
M-204



M-205



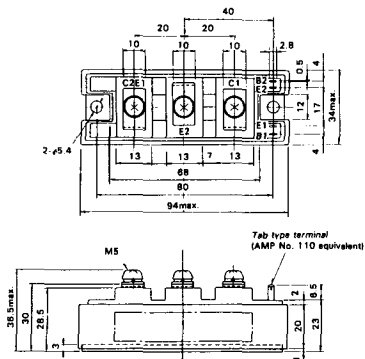
M-206



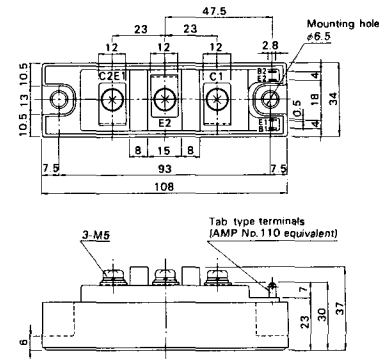
M-207



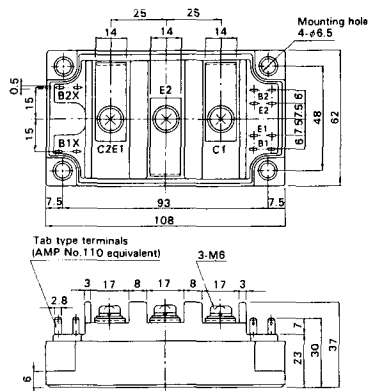
M-208



M-209



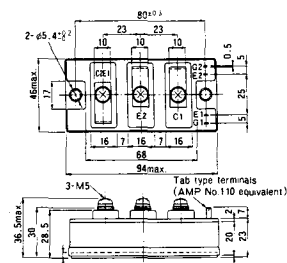
M-210



M-211



M-212



M-213



M-214

M-215



M-216



M-217



M-218



M-601



M-602



M-603



M-604



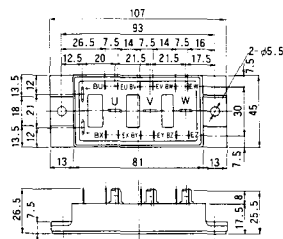
M-605



M-606



M-607



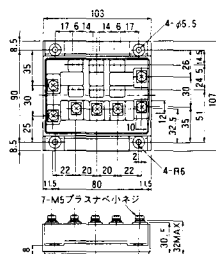
M-608



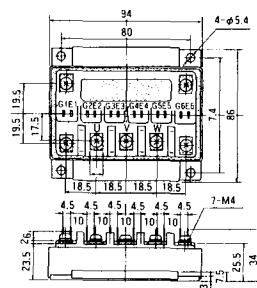
M-609



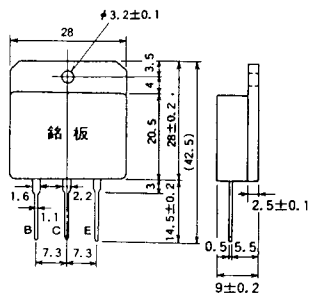
M-610



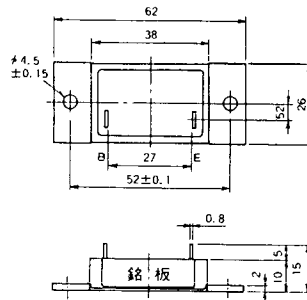
M-616



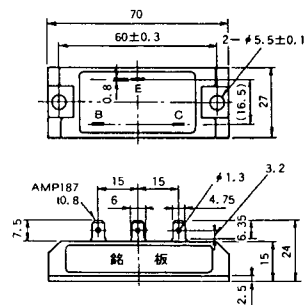
M-1A1A



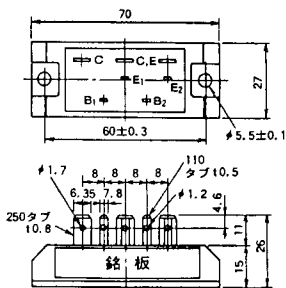
M-2A1A



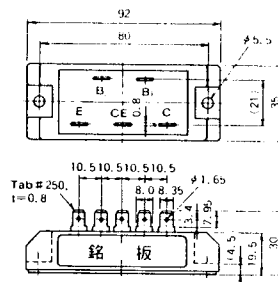
M-2B1A



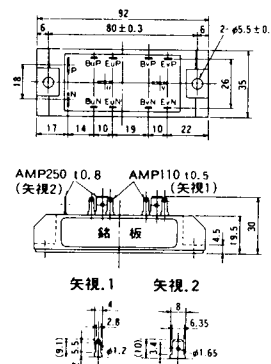
M-2B2A



M-2C2A



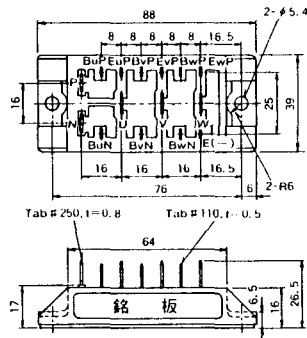
M-2D4A



M-2E6A



M-2F6A



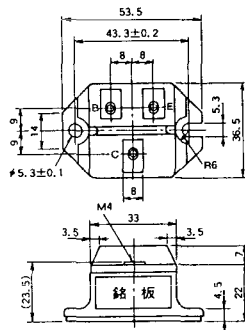
M-2G6A



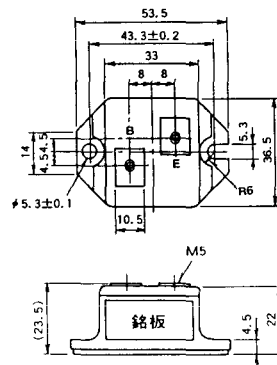
M-3A1A



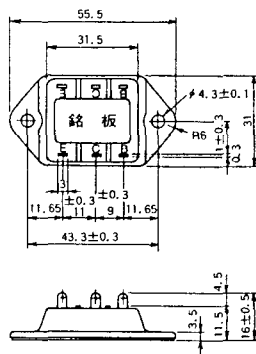
M-3B1A



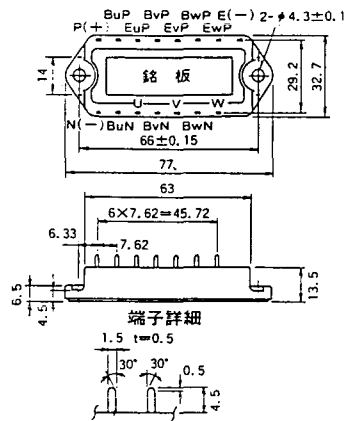
M-3B1B



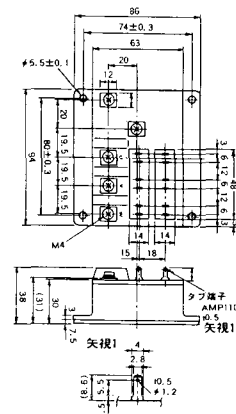
M-3C1A



M-3D6A



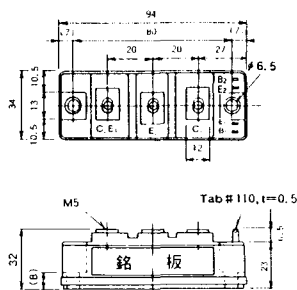
M-3E6A



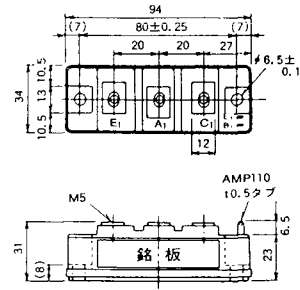
M-4A1A



M-4A2A



M-4A1B



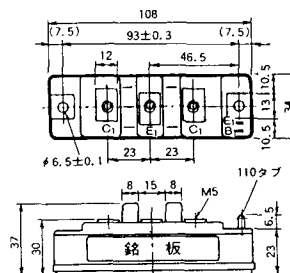
M-4A2B



M-4B2A



M-5A1A



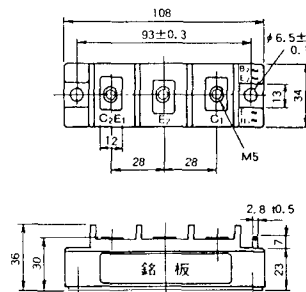
M-5A1B



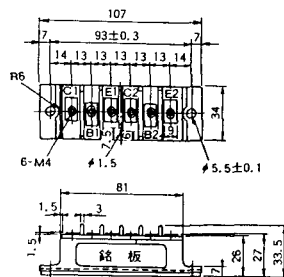
M-5A2A



M-5B2A



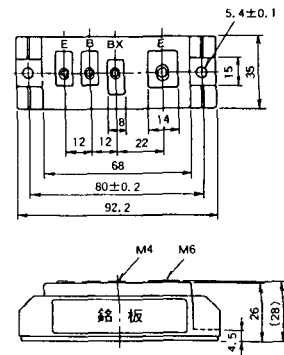
M-5C2A



M-5D2A



M-6A1A



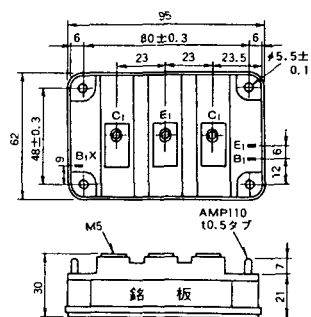
M-7A1A



M-7B1A



M-8A1A



M-8A1B



M-8A2A



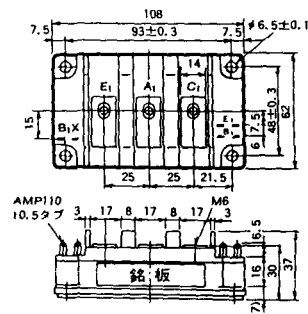
M-8A2B



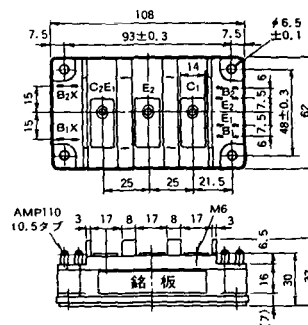
M-8B2A



M-9A1A



M-9A2A



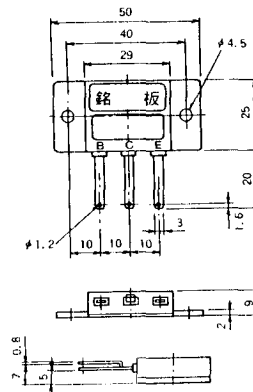
M-9B1A



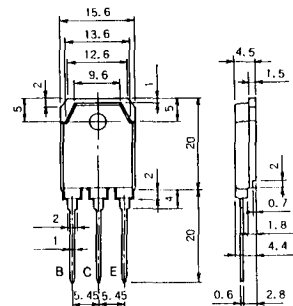
M-9C2A



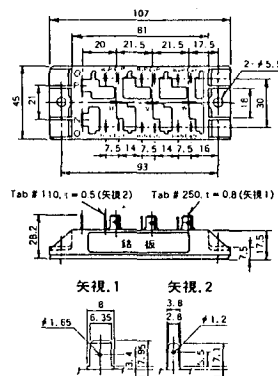
M-1A1B



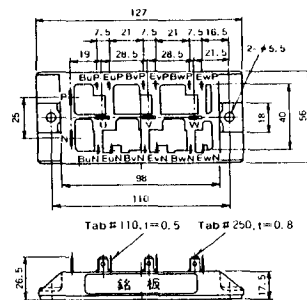
M-1A1C



M-2E6B



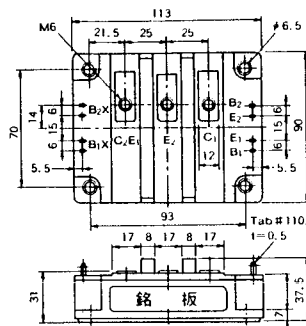
M-2E6C



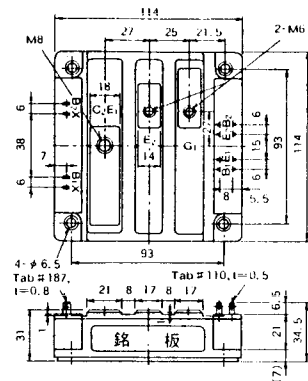
M-10A2A



M-10A2B



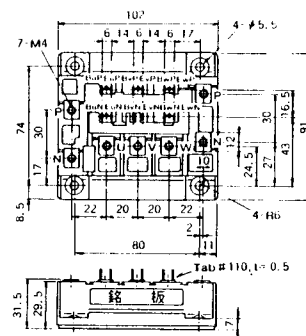
M-11A2A



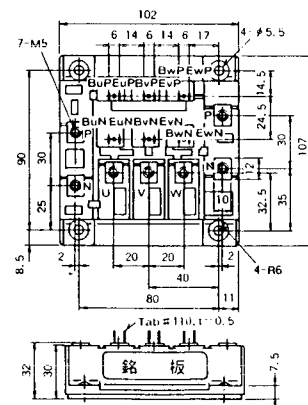
M-12A6A



M-12B6A



M-12B6B



M-4A2D



M-4A2E



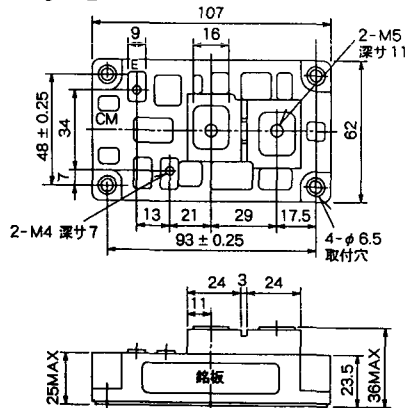
M-4C2A



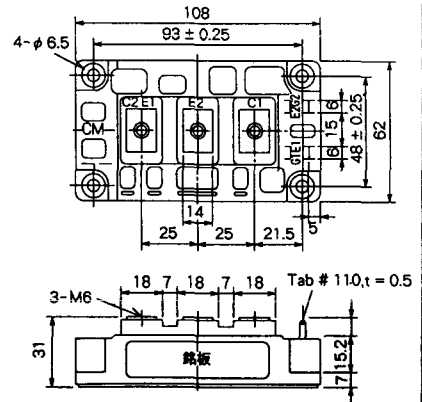
M-4C2B



M-9B1C



M-9D2A



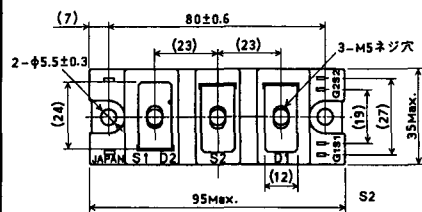
H-101



Weight :480g

TERMINALS

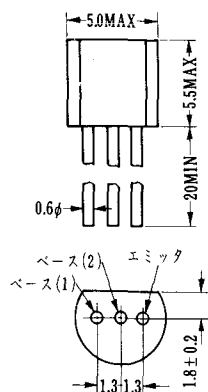
LF-J



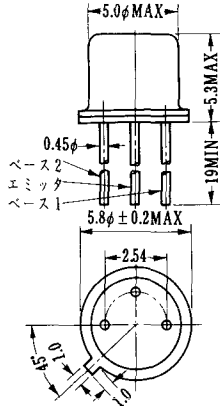
LF-K



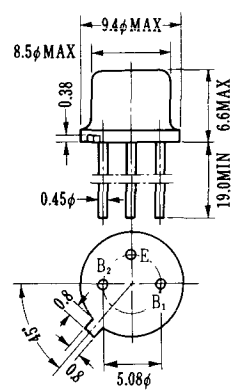
U-1



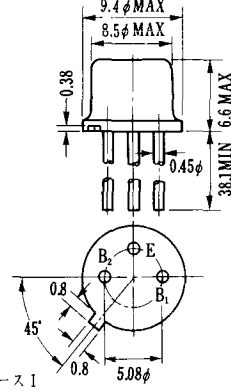
U-2



U-3



U-4



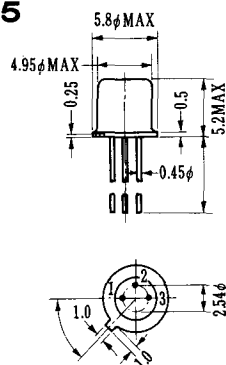
電極接続

B₁: ベース 1

B₂: ベース 2

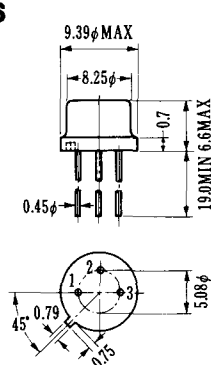
E: エミッタ

U-5



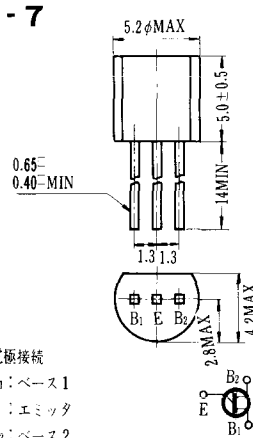
1. BASE 1
2. EMITTER
3. BASE 2 (CASE)

U-6



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

U-7



電極接続

B₁: ベース 1

E: エミッタ

B₂: ベース 2

U-8

