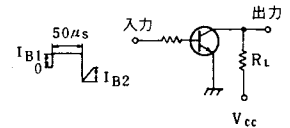


注1. $T_c = 25^\circ\text{C}$. 注2. A.C. 1分間。

型 名	最 大 定 格 ($T_c = 25^{\circ}\text{C}$)												電 氣 的 特 性										
	V_{CE0}	$V_{CEX(SUS)}$	V_{EBO}	I_C	I_{CP} (1ms)	I_B	I_F	I_{FW} (1ms)	P_C (注1)	T_J	T_{JL}	$V_{I_{AO}}$ (注2)	I_{CBO}		I_{EBO}		$V_{CE0(SUS)}$		h_{FE}		V_{CE}		I_C
	(V)	(V)	(V)	(A)	(A)	(A)	(A)	(A)	(W)	($^{\circ}\text{C}$)	($^{\circ}\text{C}$)	(V)	最大 (mA)	V_{CE} (V)	最大 (mA)	V_{EB} (V)	最小 (V)	I_C (A)	最小	(V)	(A)	(A)	
	(V)	(V)	(V)	(A)	(A)	(A)	(A)	(A)	(W)	($^{\circ}\text{C}$)	($^{\circ}\text{C}$)	(V)	最大 (mA)	V_{CE} (V)	最大 (mA)	V_{EB} (V)	最小 (V)	I_C (A)	最小	(V)	(A)	(A)	
MG75M2CK1	1000	1000	7	75	150	7.5	75	150	400	150	-40~125	2500	2.0	1000	200	7	880	1.0	100	5	75	75	
MG75M2YK1	1000	1000	7	75	150	7.5	75	150	400	150	-40~125	2500	2.0	1000	200	7	880	1.0	100	5	75	75	
MG75Q2YK1	1200	1200	7	75	150	7.5	75	150	400	150	-40~125	2500	2.0	1200	200	7	900	1.0	100	5	75	75	
MG80S2YK1	1400	1400	7	80	160	8.0	80	160	800	150	-40~125	2500	4.0	1400	300	7	1000	1.0	100	5	80	80	
MG100G2CL1	600	600	6	100	200	10	100	200	400	150	-40~125	2500	2.0	600	200	6	450	0.5	100	5	100	100	
MG100G2YL1	600	600	6	100	200	10	100	200	400	150	-40~125	2500	2.0	600	200	6	450	0.5	100	5	100	100	
MG100H2CK1	600	600	7	100	200	5.0	100	200	400	150	-40~125	2500	1.0	600	200	7	550	0.5	200	5	100	100	
MG100H2CL1	600	600	6	100	200	15	100	200	400	150	-40~125	2500	1.0	600	200	6	550	0.5	80	5	100	100	
MG100H2YL1	600	600	6	100	200	15	100	200	400	150	-40~125	2500	1.0	600	200	6	550	0.5	80	5	100	100	
MG100M2CK1	1000	1000	7	100	200	10	100	200	700	150	-40~125	2500	4.0	1000	400	7	880	1.0	100	5	100	100	
MG100M2YK1	1000	1000	7	100	200	10	100	200	700	150	-40~125	2500	4.0	1000	400	7	880	1.0	100	5	100	100	
MG100Q2YK1	1200	1200	7	100	200	10	100	200	700	150	-40~125	2500	2.0	1200	400	7	900	1.0	100	5	100	100	
MG150G2YL1	600	600	6	150	300	20	150	300	700	150	-40~125	2500	2.0	600	200	6	450	0.5	100	5	150	150	
MG150H2CL1	600	600	6	150	300	20	150	300	700	150	-40~125	2500	2.0	600	400	6	550	0.5	80	5	150	150	
MG150H2YL1	600	600	6	150	300	20	150	300	700	150	-40~125	2500	2.0	600	400	6	550	0.5	80	5	150	150	
MG150M2CK1	1000	1000	7	150	300	15	150	300	800	150	-40~125	2500	8.0	1000	400	7	880	1.0	100	5	150	150	
MG150M2YK1	1000	1000	7	150	300	15	150	300	800	150	-40~125	2500	8.0	1000	400	7	880	1.0	100	5	150	150	
MG150M2YK2	1000	1000	7	150	300	15	150	300	800	150	-40~125	2500	4.0	1000	400	7	880	1.0	80	5	150	150	
MG150Q2YK1	1200	1200	7	150	300	20	150	300	800	150	-40~125	2500	4.0	1200	400	7	900	1.0	100	5	150	150	
MG200H2CK1	600	600	7	200	400	10	200	400	800	150	-40~125	2500	2.0	600	400	7	550	0.5	200	5	200	200	

■スイッチング時間測定回路



繰り返し周期 = 0.5 %

注 3. スwitching 時間の *印は typ. 値。

(T _a = 25℃)											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
飽和電圧 (V)		I _c	I _B	スイッチング時間 (μs)			I _{B1}	I _{B2}	V _{CC}	R _L	V _{FE} (V)	t _{rr} (μs)		I _F	V _{BE}	di/dt (A/μs)	R _{th(j-a)} (℃/W)						
V _{CE}	V _{BE}			t _{on}	t _{off}	t _r						I _F	I _F				V _{BE}	t _{rr}	t _{rr}				
最大	最大	(A)	(A)	最大	最大	最大	(A)	(A)	(V)	(Ω)	最大	(A)	最大	(A)	(V)	(A/μs)	最大	最大					
2.5	3.5	75	1.5	2	15	5	1.5	-1.5	600	8	1.8	75	1.0	75	-3	100	0.31	1.3	CK-1	2-80B1A		MG75M2CK1	
2.5	3.5	75	1.5	2	15	5	1.5	-1.5	600	8	1.8	75	1.0	75	-3	100	0.31	1.3	YK-1	2-108A2A		MG75M2YK1	
2.5	3.5	75	1.5	3	12	5	1.5	-4.5	600	8	1.8	75	1.0	75	-3	100	0.31	1.3	YK-1	2-108A2A		MG75Q2YK1	
2.5	3.5	80	1.6	2	17	3	1.6	-4.8	600	7.5	1.8	80	1.2	80	-3	100	0.156	0.65	YK-2	2-109B3A		MG80S2YK1	
2.0	2.7	100	2.0	2	12	2	2.0	-2.0	300	3	1.6	100	2.0	100	-3	100	0.31	1.3	CL-1	2-68A2A		MG100G2CL1	
2.0	2.7	100	2.0	2	12	2	2.0	-2.0	300	3	1.7	100	1.5	100	-3	100	0.31	1.3	YL-1	2-96A3A		MG100G2YL1	
2.5	3.5	100	1.0	2	12	3	1.0	-1.0	300	3	1.8	100	0.7	100	-3	100	0.31	1.3	CK-1	2-80B1A		MG100H2CK1	
2.0	2.7	100	3.0	2	12	4	3.0	-3.0	300	3	1.5	100	2.0	100	-3	100	0.31	1.3	CL-1	2-68A2A		MG100H2CL1	
2.0	2.7	100	3.0	2	12	4	3.0	-3.0	300	3	1.7	100	1.5	100	-3	100	0.31	1.3	YL-1	2-96A3A		MG100H2YL1	
2.5	3.5	100	2.0	2	15	5	2.0	-2.0	600	6	1.8	100	1.0	100	-3	100	0.179	0.65	CK-3	2-80C1A		MG100M2CK1	
2.5	3.5	100	2.0	2	15	5	2.0	-2.0	600	6	1.8	100	1.0	100	-3	100	0.179	0.65	YK-2	2-109B3A		MG100M2YK1	
2.5	3.2	100	2.0	2	13	4	2.0	-6.0	600	6	1.8	100	1.5	100	-3	100	0.179	0.65	YK-2	2-109B3A		MG100Q2YK1	
2.0	2.7	150	3.0	3	12	2	3.0	-3.0	300	2	1.7	150	1.5	150	-3	100	0.178	0.65	YL-1	2-96A3A		MG150G2YL1	
2.0	2.7	150	4.0	2	12	5	4.0	-4.0	300	2	1.5	150	2.0	150	-3	100	0.178	0.65	CL-2	2-80C1A		MG150H2CL1	
2.0	2.7	150	4.0	3	12	5	4.0	-4.0	300	2	1.7	150	1.5	150	-3	100	0.178	0.65	YL-1	2-96A3A		MG150H2YL1	
2.5	3.5	150	3.0	2	15	5	3.0	-3.0	600	4	1.8	150	1.0	150	-3	100	0.156	0.65	CK-3	2-80C1A		MG150M2CK1	
2.5	3.5	150	3.0	2	15	5	3.0	-3.0	600	4	1.8	150	1.0	150	-3	100	0.156	0.65	YK-2	2-109B3A		MG150M2YK1	
2.5	3.5	150	3.0	2	15	3	3.0	-3.0	600	4	1.8	150	1.0	150	-3	100	0.156	0.65	YK-2	2-109B3A		MG150M2YK2	
2.5	3.5	150	3.0	3	12	5	3.0	-9.0	600	4	1.8	150	1.5	150	-3	100	0.156	0.65	YK-2	2-109B3A		MG150Q2YK1	
2.5	3.5	200	2.0	1	12	5	2.0	-2.0	300	1.5	1.8	200	0.7	200	-3	100	0.156	0.65	CK-3	2-80C1A		MG200H2CK1	

FD-1



FD-2



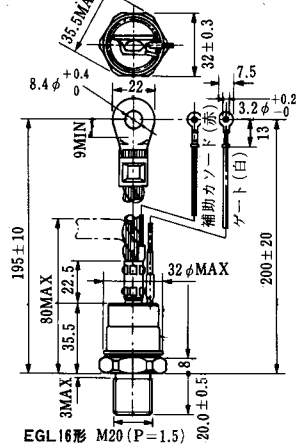
FD-3



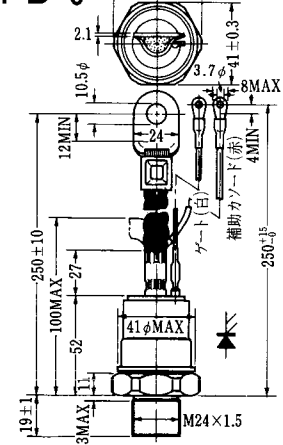
FD-4



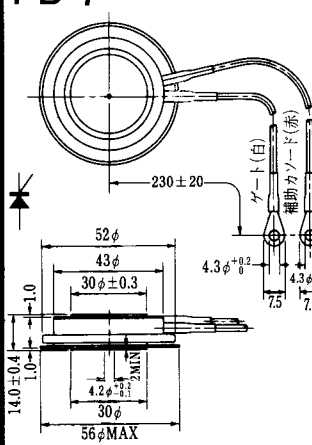
FD-5



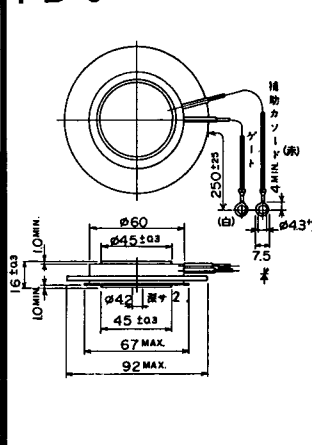
FD-6



FD-7



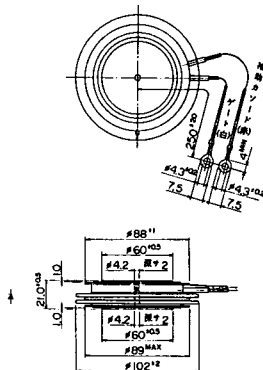
FD-8



FD-9

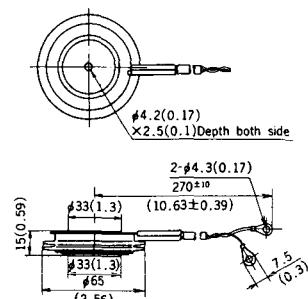
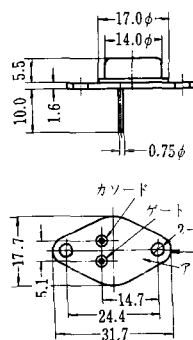
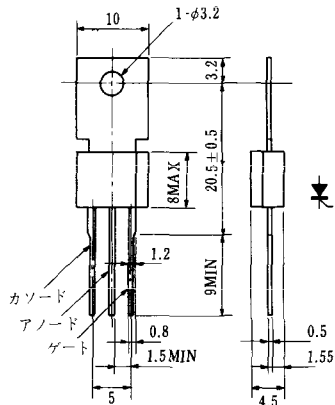


FD-10

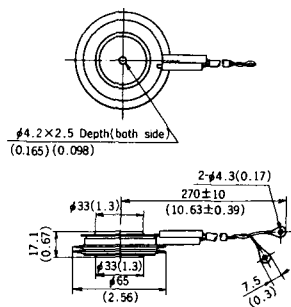


FD-11

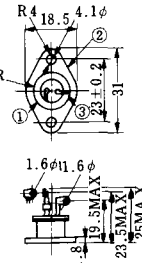
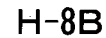
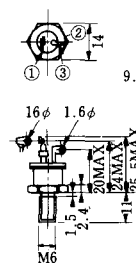
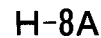
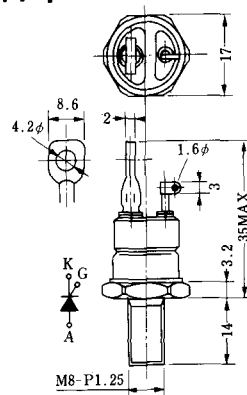
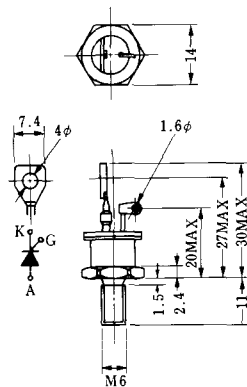
FD-12



Unit in mm (inch)

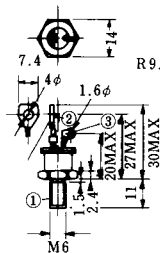


Unit in mm(inch)

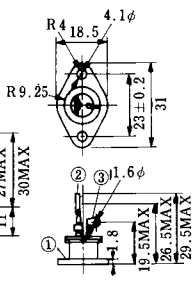


- ①アノード
②カソード
③ゲート

H-9A

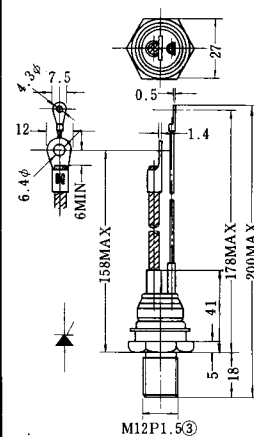


H-9B

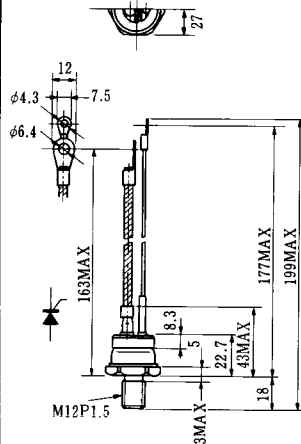


- ① アノード
- ② カソード
- ③ ゲート

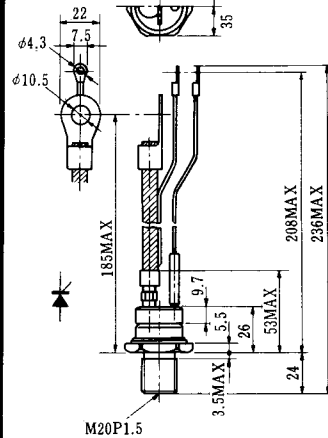
H-10



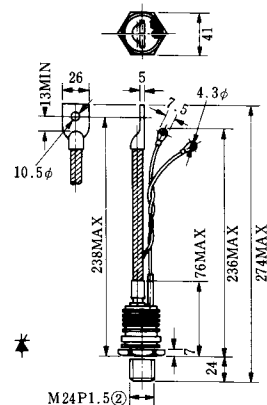
H-11



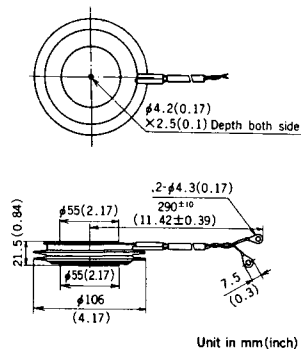
H-12



H-13

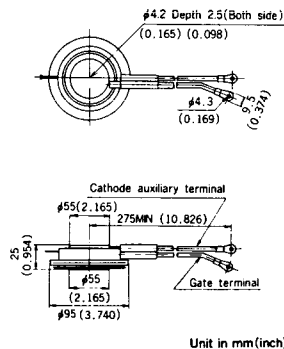


H-14



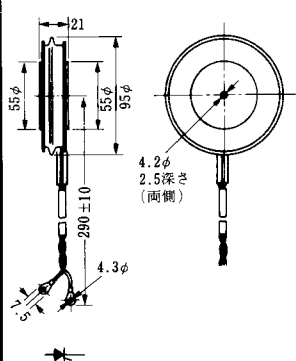
Unit in mm (inch)

H-15

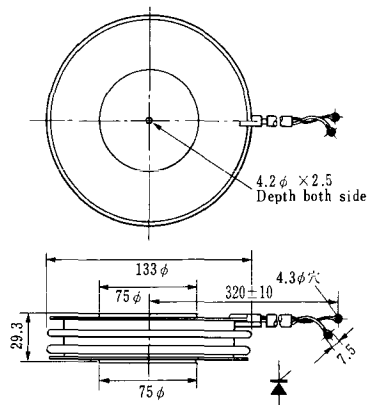


Unit in mm (inch)

H-16



H-17



H-18



H-19



H-20



H-21



H-22



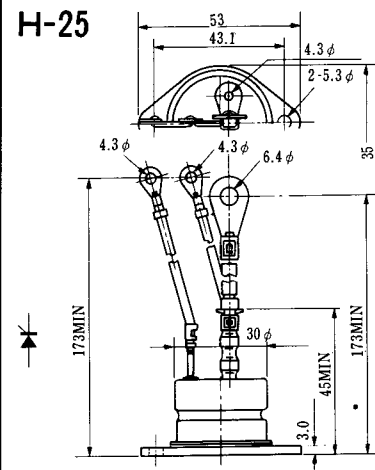
H-23



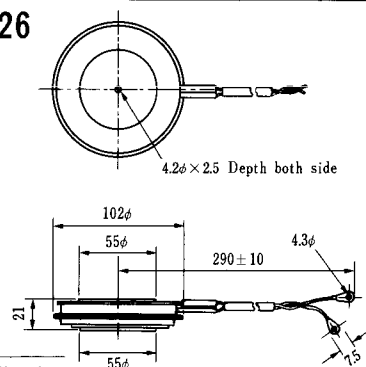
H-24



H-25

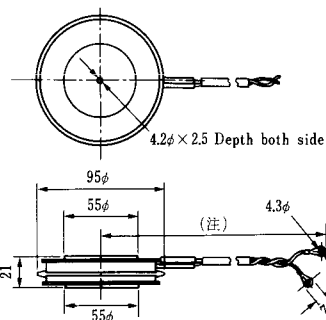


H-26



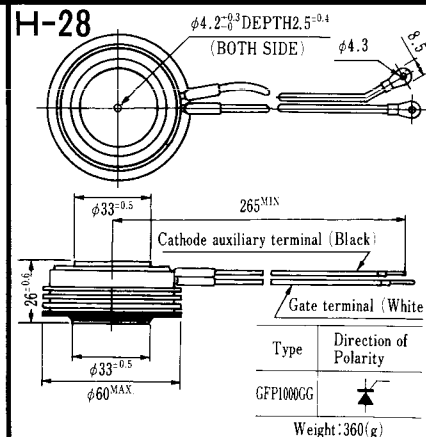
Type	Direction of polarity
CA12	

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



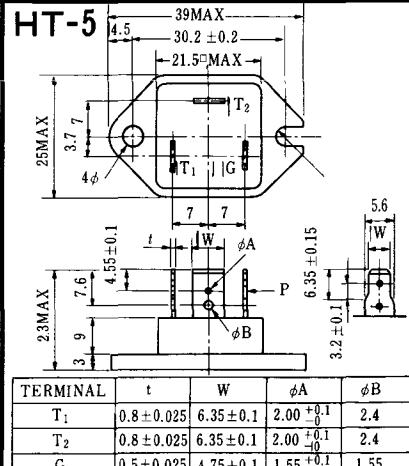
HT-3



HT-4



HT-5



《寸法図単位：mm》

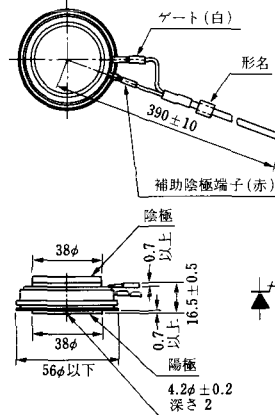
M-1



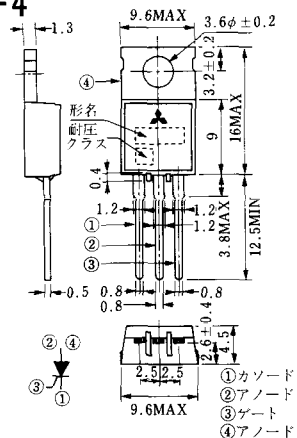
M-2



M-3



M-4



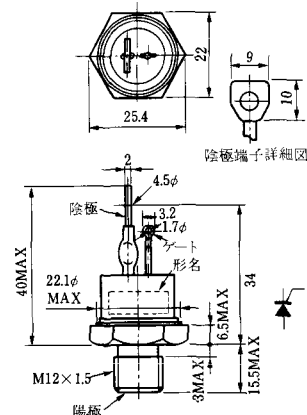
M-5



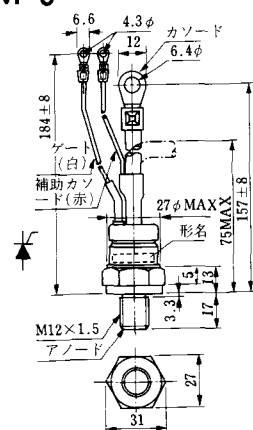
M-6



M-7



M-8



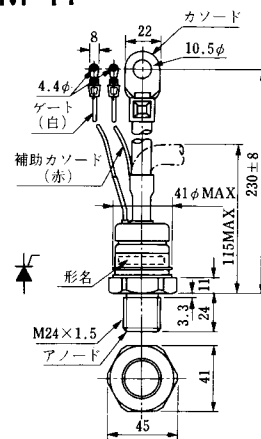
M-9



M-10



M-11



M-12



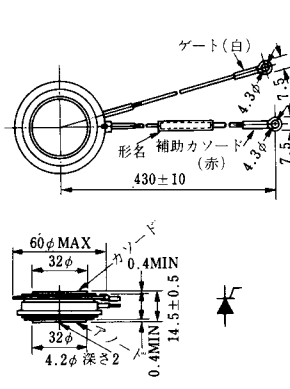
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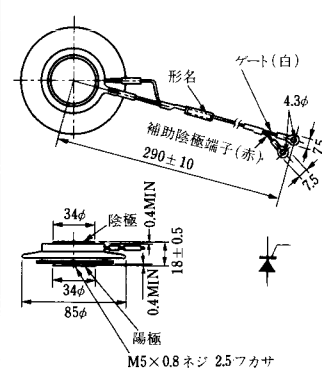
M-14



M-15



M-16



M-17



M-18



M-19



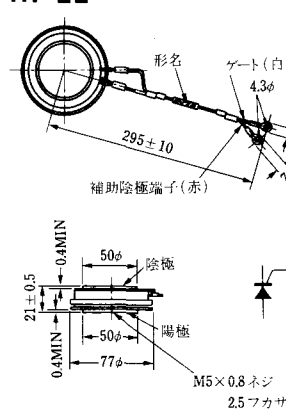
M-20



M-21



M-22



M-23



M-24



M-25



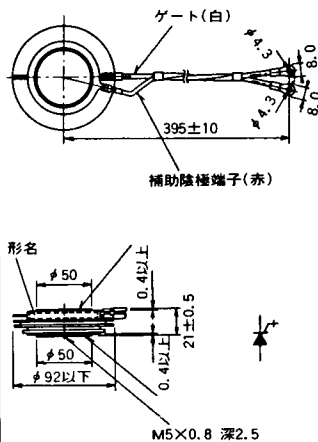
M-26



M-27



M-28



M-29



M-30



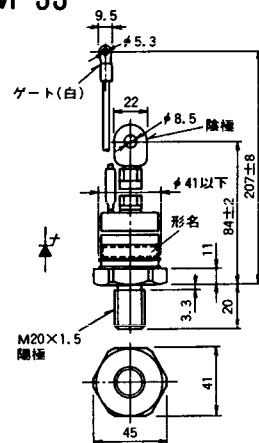
M-31



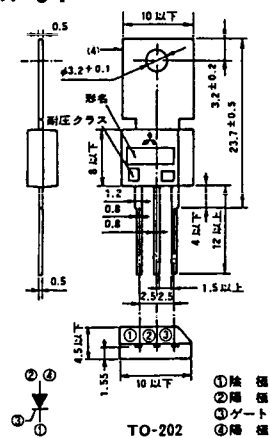
M-32



M-33



M-34



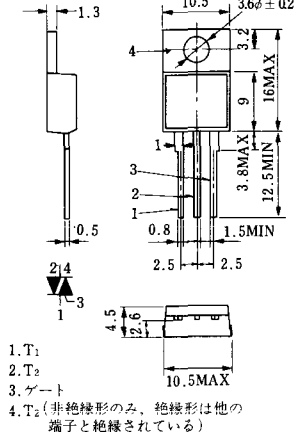
MT-1



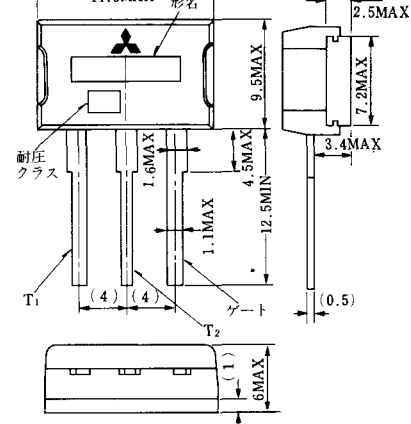
MT-2



MT-3



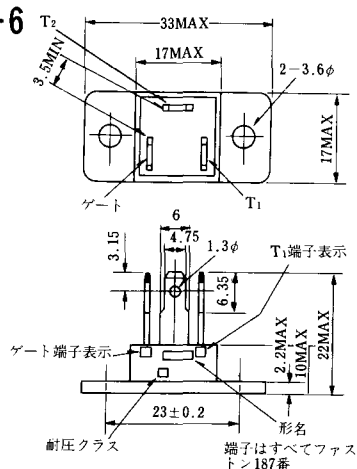
MT-4



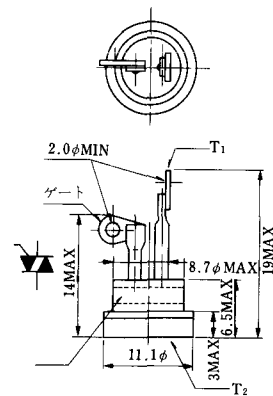
MT-5



MT-6



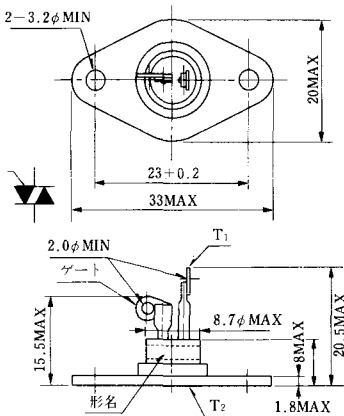
MT-7



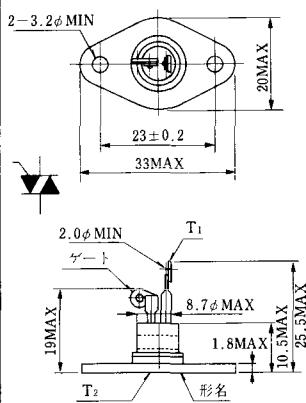
MT-8



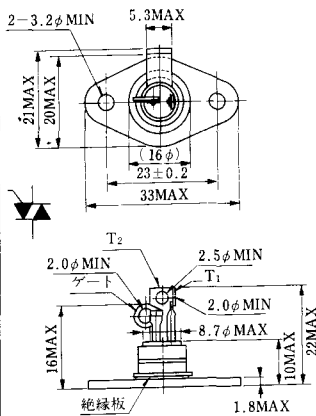
MT-9



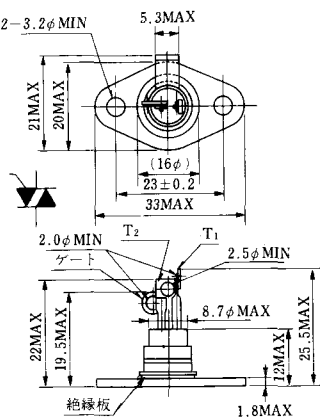
MT-10



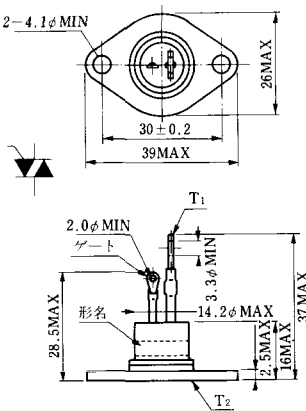
MT-11



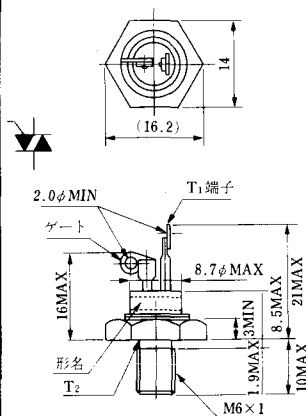
MT-12



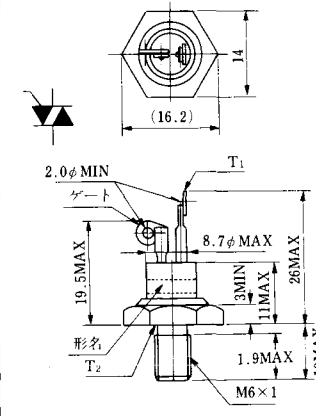
MT-13



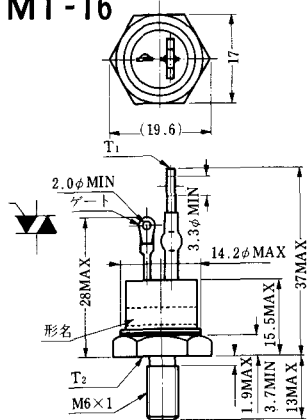
MT-14



MT-15



MT-16



MT-17



MT-18



MT-19



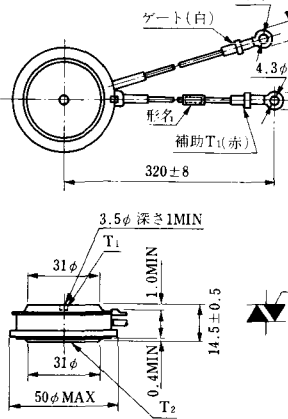
MT-20



MT-21



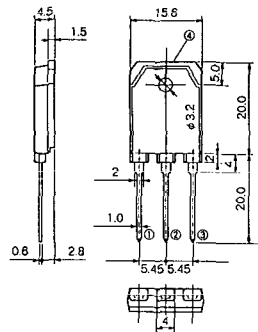
MT-22



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 ヤード
- ② アノード
- ③ カソード

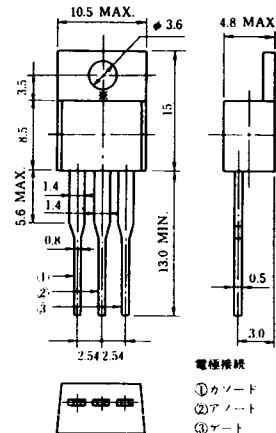
N-3



電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-4



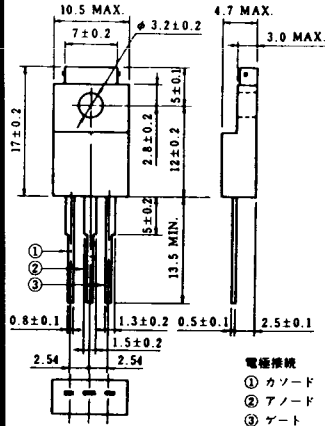
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-5



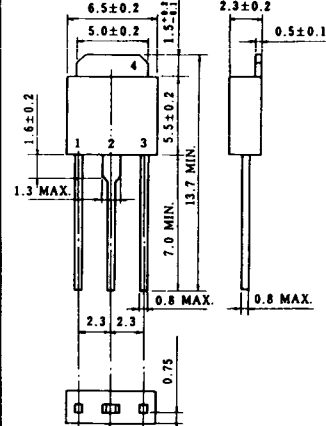
N-6



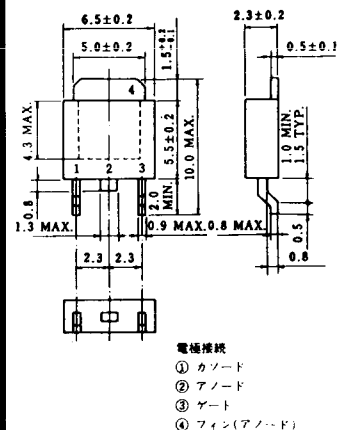
電極接続

- 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

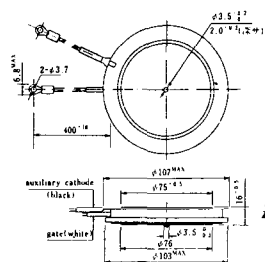
NI-16

503PLF
503PLH



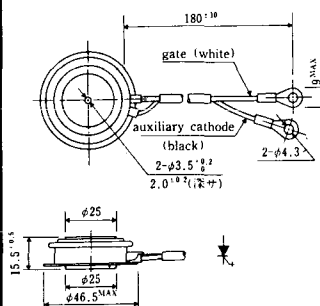
NI-17

3003PA



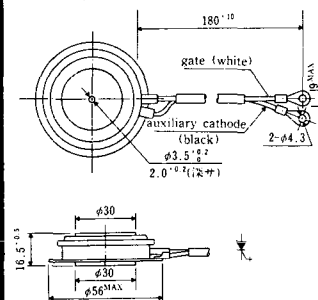
NI-18

353PGA「E



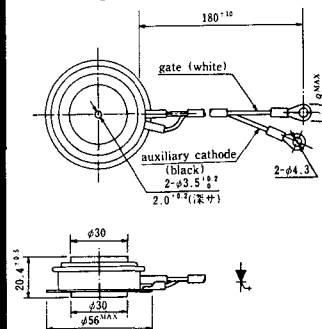
NI-19

603PGA, 603PGA「A, 803PGA



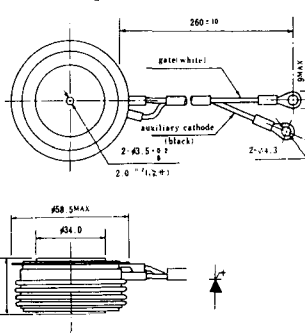
NI-20

603PGA「E



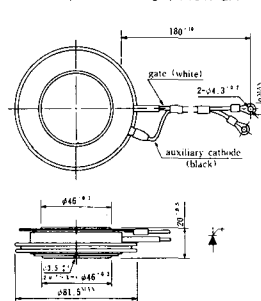
NI-21

1001PGB「E



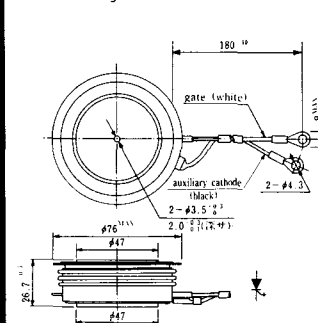
NI-22

1201PGA, 1201PGA「A, 1401PGA



NI-23

1201PGA「E



NI-24

2001PGB¹ J_E



NI-25

NI-26

S-1



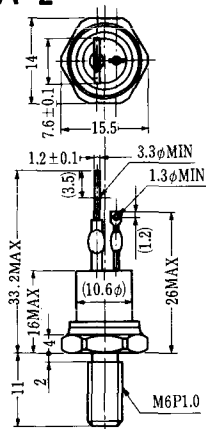
ST-1



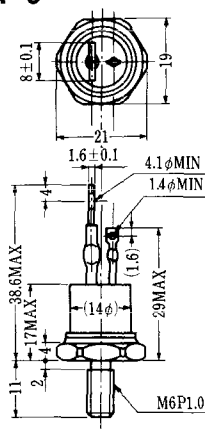
SA-1



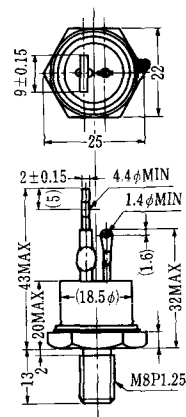
SA-2



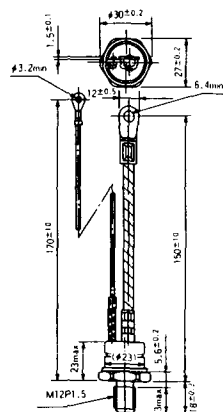
SA-3



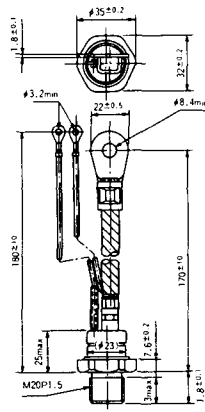
SA-4



SA-5



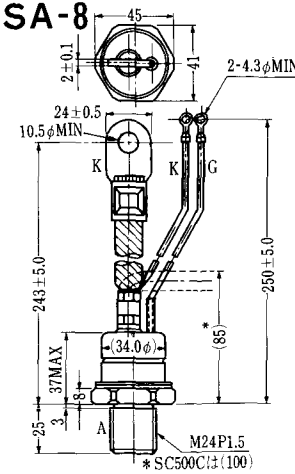
SA-6



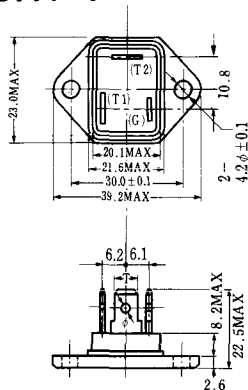
SA-7



SA-8



SAT-1

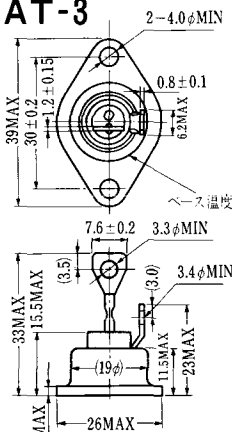


T1端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
T2端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
G端子:ファストン187($T=4.75$, $t=0.5$, $\phi=1.3$)

SAT-2



SAT-3



SAT-4



SAT-5



SAT-6



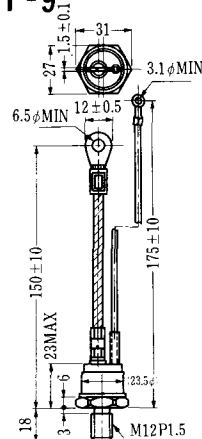
SAT-7



SAT-8



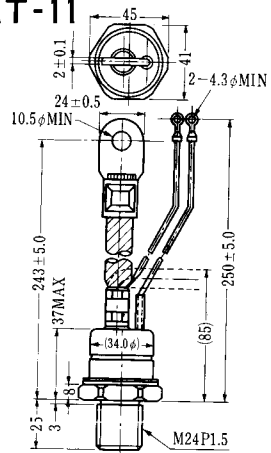
SAT-9.



SAT-10



SAT-11



SY-1(1096A)



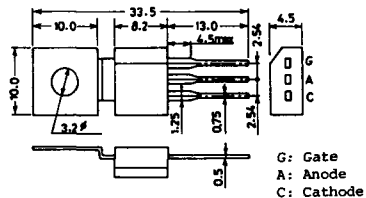
SY-2(1151)



SY-3(1104)



SY-4(1150)



1097A



G: Gate

1102



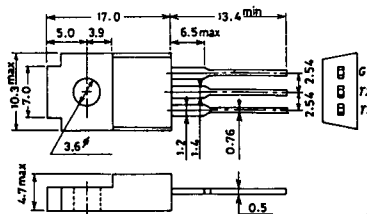
1141



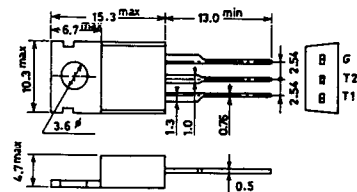
1142



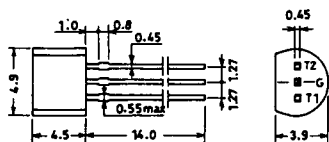
1144



1155



1192A

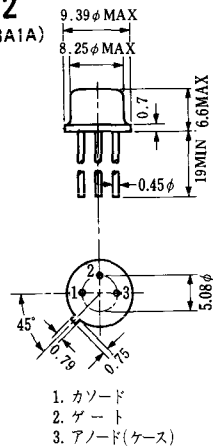


G: Gate

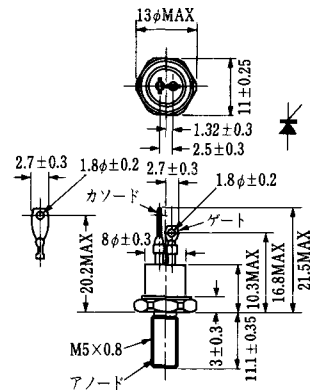
T-1 (13-5A1A)



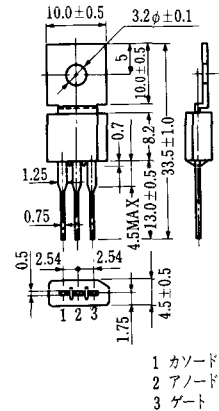
T-2 (13-8A1A)



T-3 (13-8C1A)



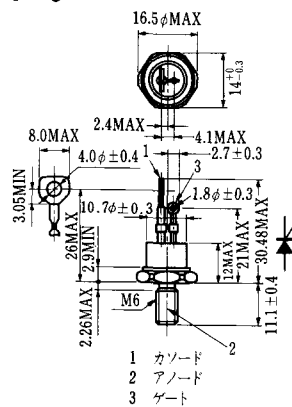
T-4 (13-10A1A)



T-5 (13-10B1A)



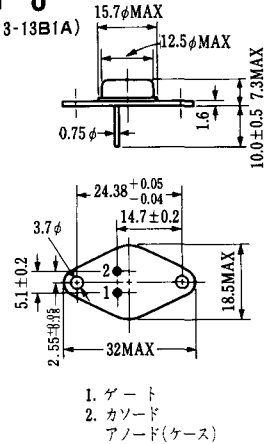
T-6 (13-11D1A)



T-7 (13-13A1A)



T-8 (13-13B1A)



T-17 (13-42A1A)



T-18 (13-45D1A)



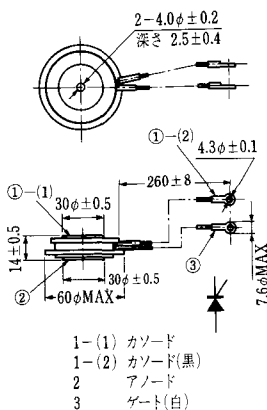
T-19 (13-52B1A)



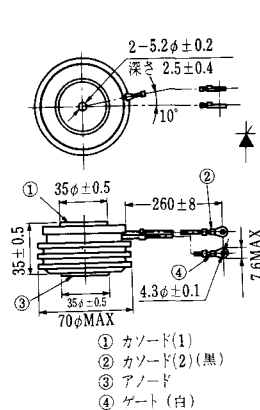
T-20 (13-52C1A)



T-21 (13-60A1A)



T-22 (13-70C1A)



T-23 (13-78A1A)



T-24 (13-100C1A)



T-25 (13-120A2A)



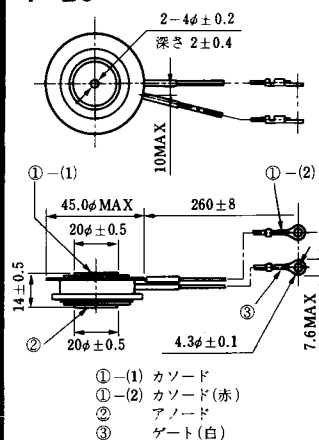
T-26 (13-150A1A)



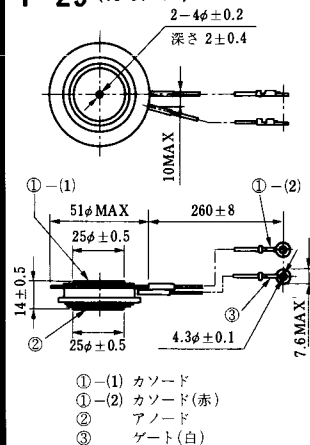
T-27 (13-37A1A)



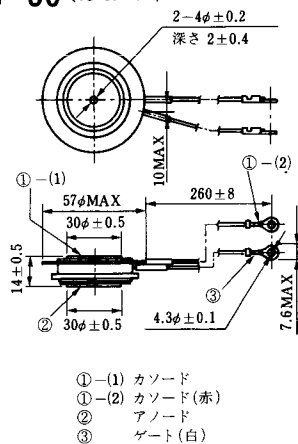
T-28 (13-45E1A)



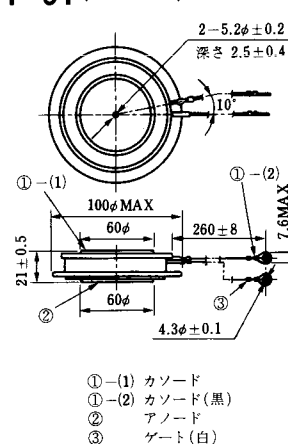
T-29 (13-51A1A)



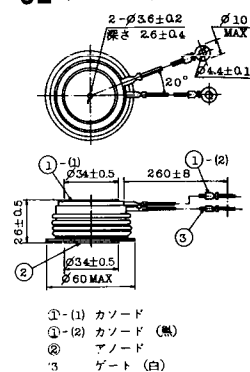
T-30 (13-57A1A)



T-31 (13-100E1A)



T-32 (13-60E3A)



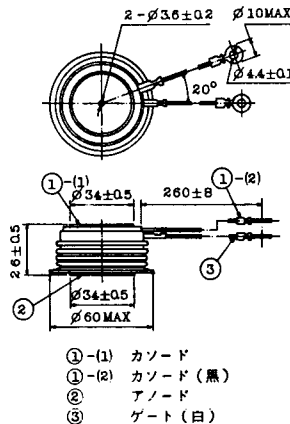
T-41 (13-28A2A)



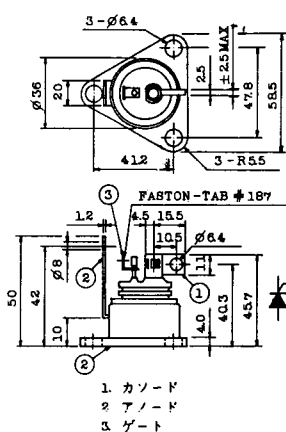
T-42 (13-45F1A)



T-43 (13-60E2A)



T-44 (13-36A1A)



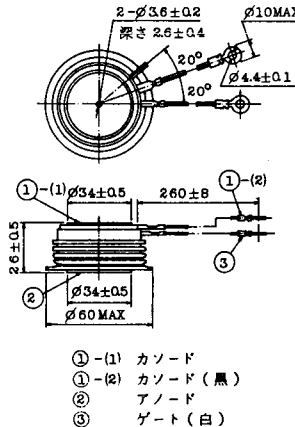
T-45 (13-51B1A)



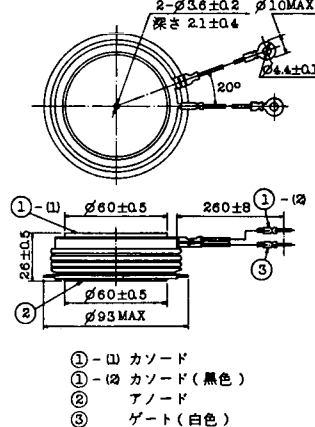
T-46 (13-36B1A)



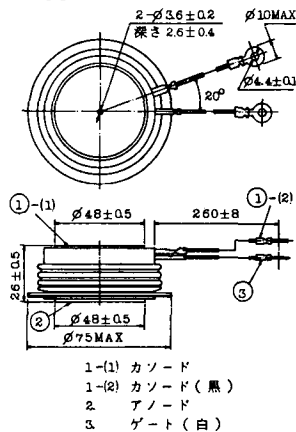
T-47 (13-60E1A)



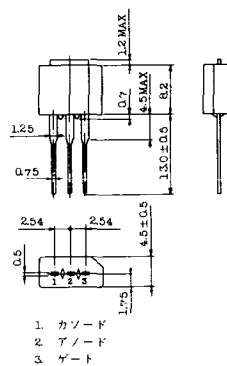
T-48 (13-93C1A)



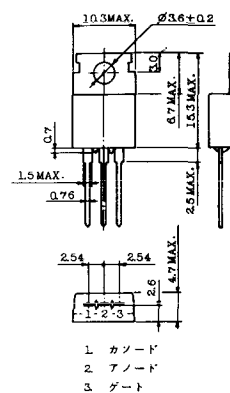
T-49 (13-75A1A)



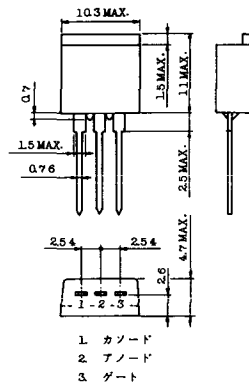
T-50 (13-10A3A)



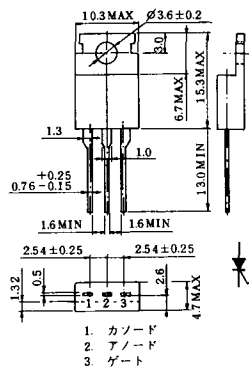
T-51 (13-10D1A)



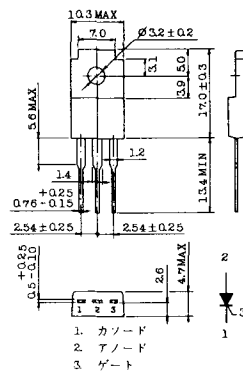
T-52 (13-10D2A)



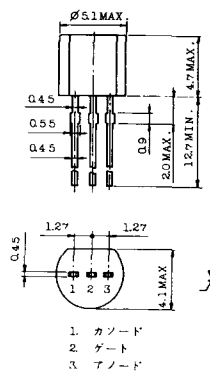
T-53 (13-10E1B)



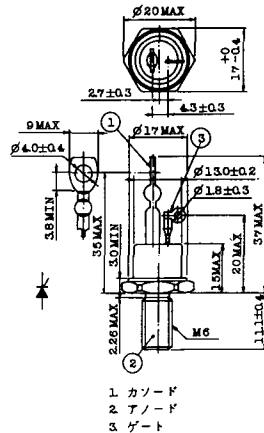
T-54 (13-10F1B)



T-55 (13-5A1D)



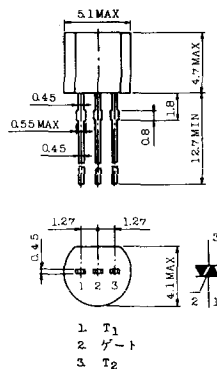
T-56 (13-13C1A)



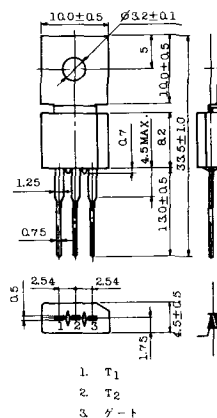
TT-1



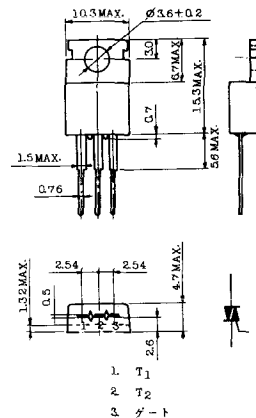
TT-2



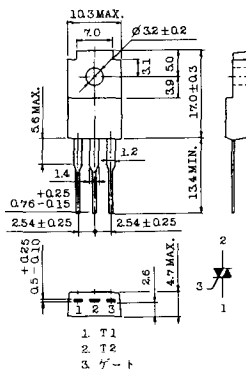
TT-3



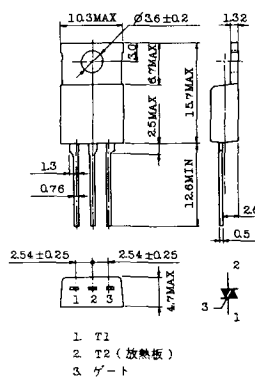
TT-4



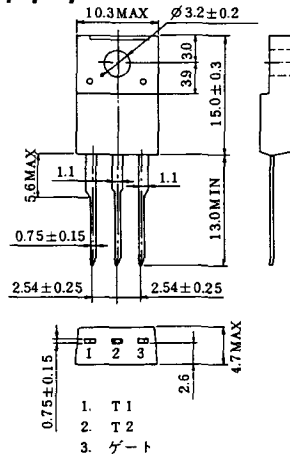
TT-5



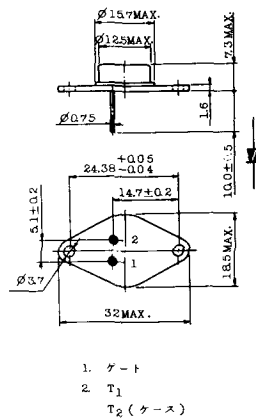
TT-6



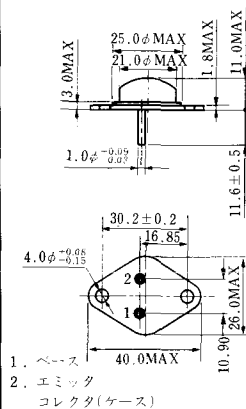
TT-7



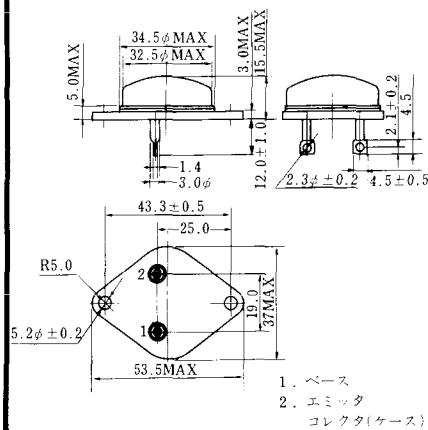
TT-8



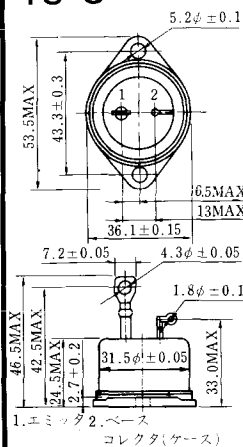
TS - 1



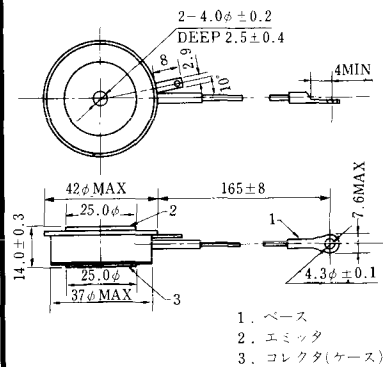
TS - 2



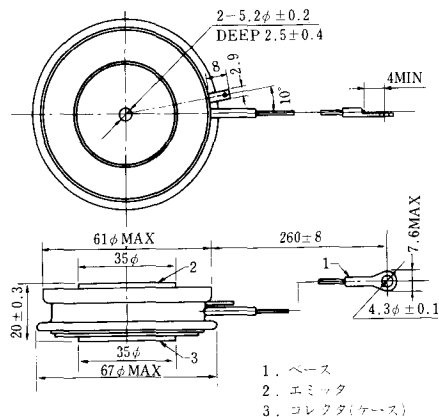
TS-3



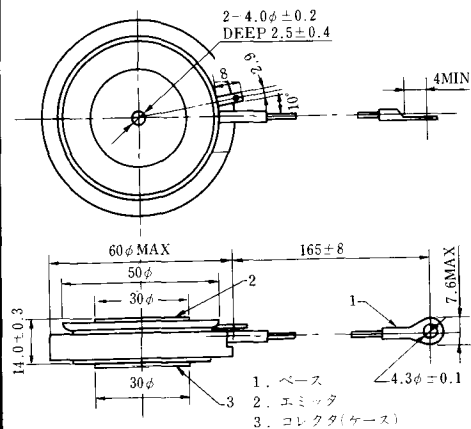
TS-4



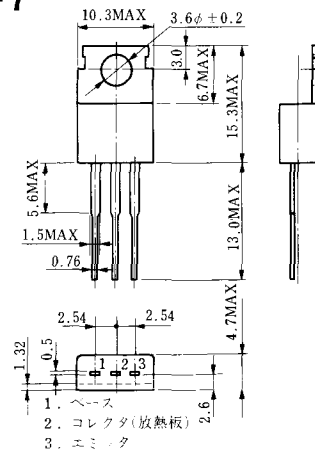
TS-5

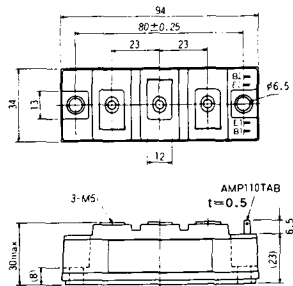
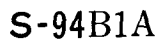


TS-6

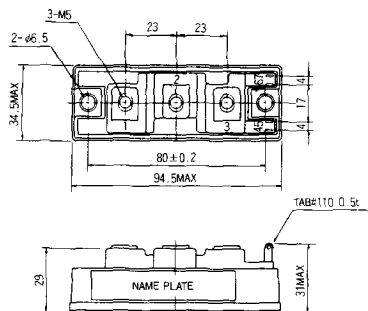


TS-7

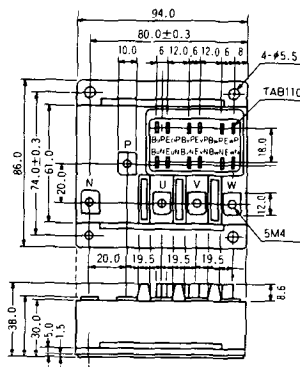




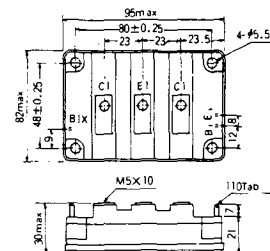
S-94B2A



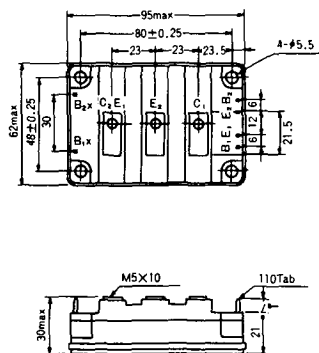
S-94D1A



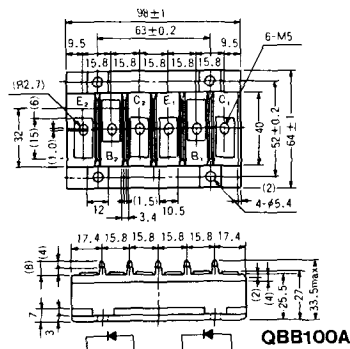
S-95A1A



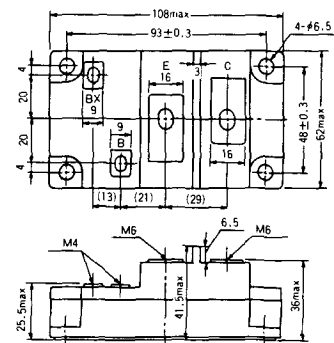
S-95B1A



S-98B1B



S-108A2A



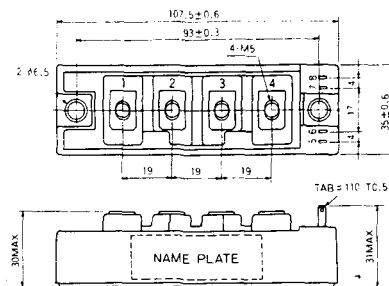
S-108B1A



S-108B1B



S-108B1C



S-108B2A



S-108B2B



2-22B1A



2-27A4A



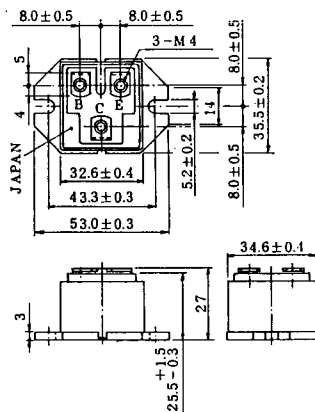
2-33C1A



2-33D1A



2-33F1A



2-37A1A



2-48A3A



2-48A3B



2-48A4A



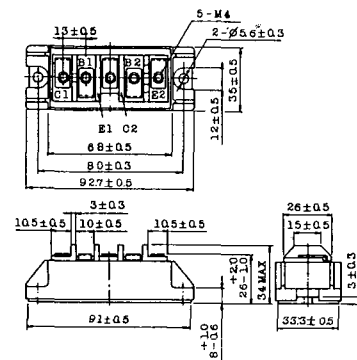
2-64A2A

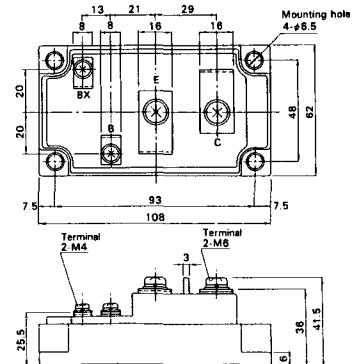
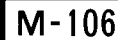
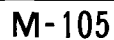
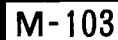
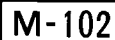


2-64A2B



2-68A2A





M-107



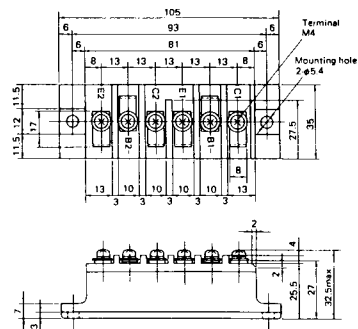
M-116



M-201



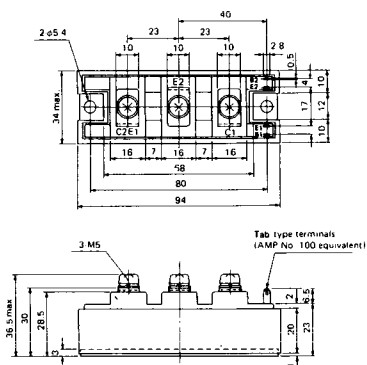
M-202



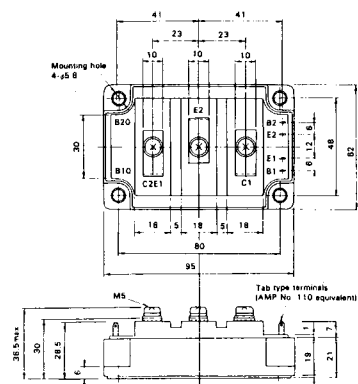
M-203



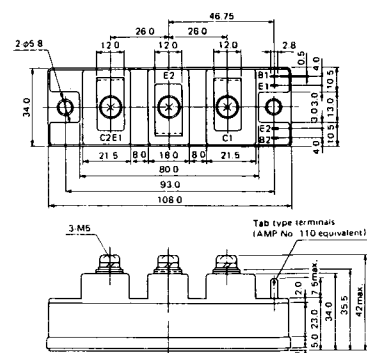
M-204



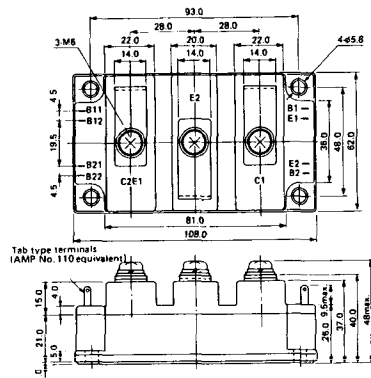
M-205



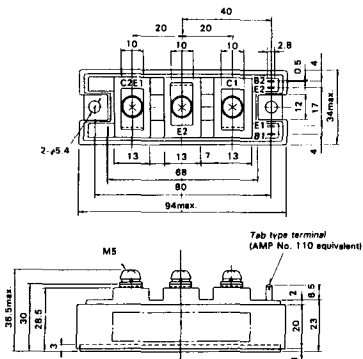
M-206



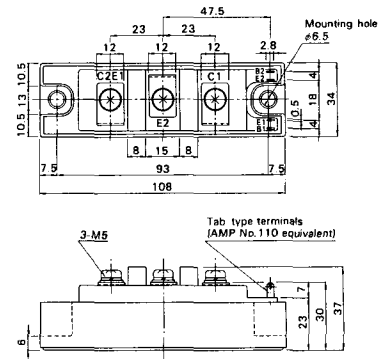
M-207



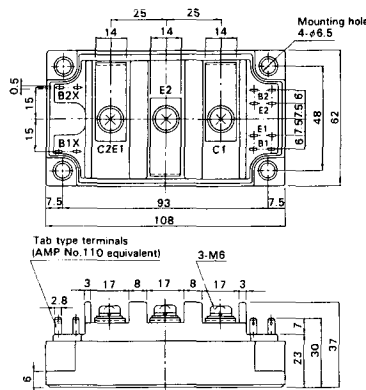
M-208



M-209



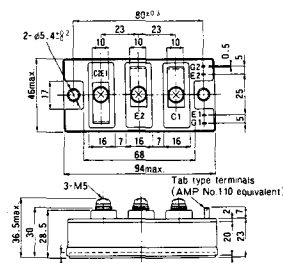
M-210

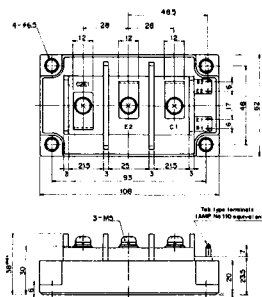
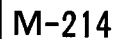


M-211



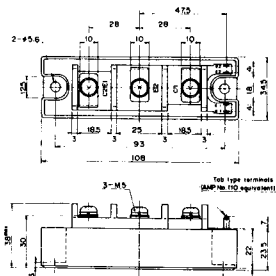
M-212



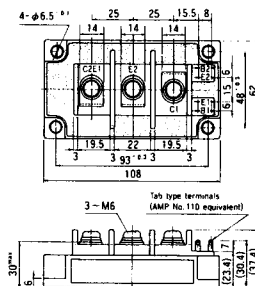


M-215

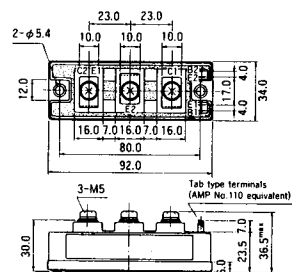
M-216



M-217



M-218



M-601



M-602



M-603



M-604



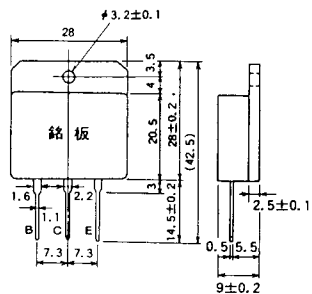
M-605



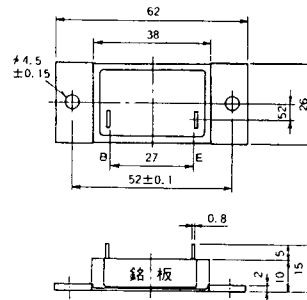
M-606



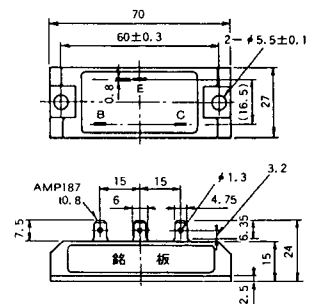
M-1A1A



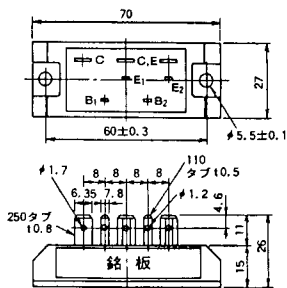
M-2A1A



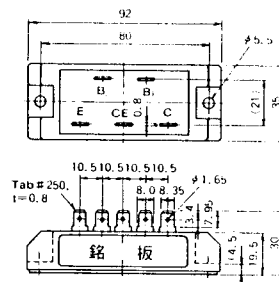
M-2B1A



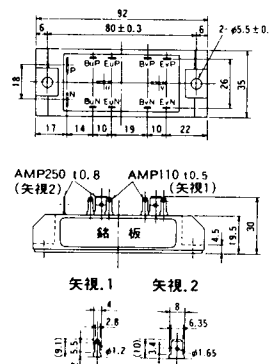
M-2B2A



M-2C2A



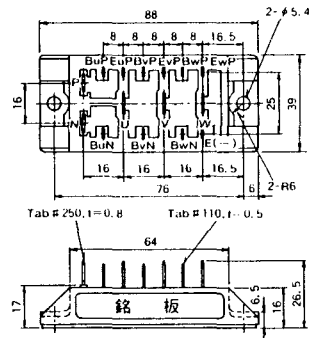
M-2D4A



M-2E6A



M-2F6A



M-2G6A



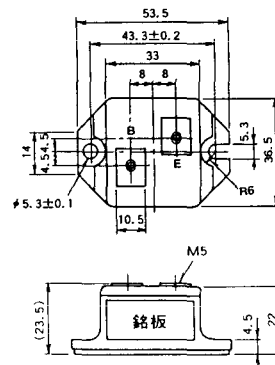
M-3A1A



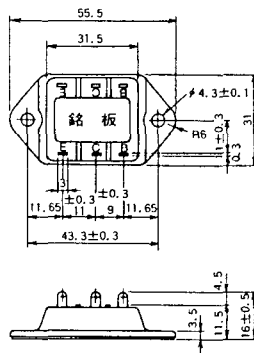
M-3B1A



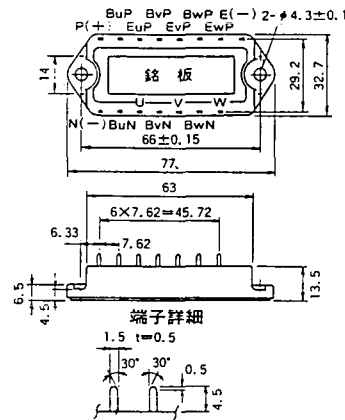
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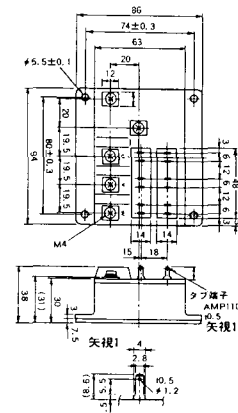
M-3C1A



M-3D6A



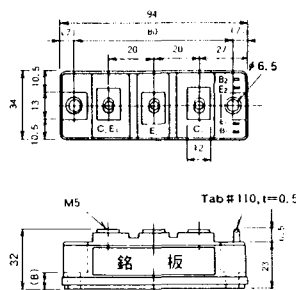
M-3E6A



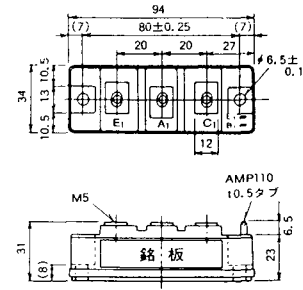
M-4A1A



M-4A2A



M-4A1B



M-4A2B



M-4B2A



M-5A1A



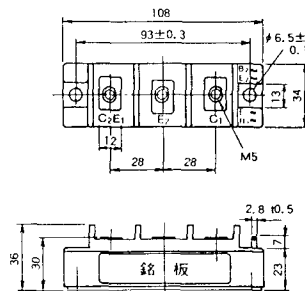
M-5A1B



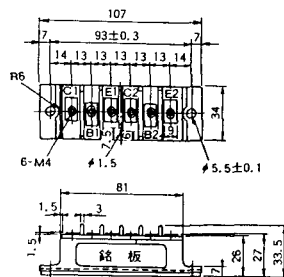
M-5A2A



M-5B2A



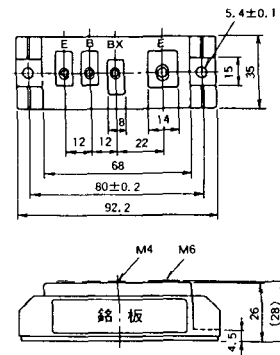
M-5C2A



M-5D2A



M-6A1A



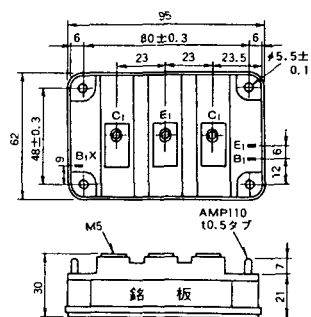
M-7A1A



M-7B1A



M-8A1A



M-8A1B



M-8A2A



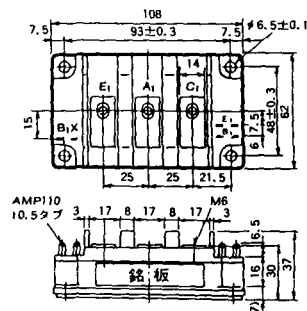
M-8A2B



M-8B2A



M-9A1A



M-9A2A



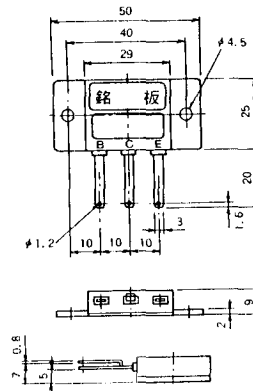
M-9B1A



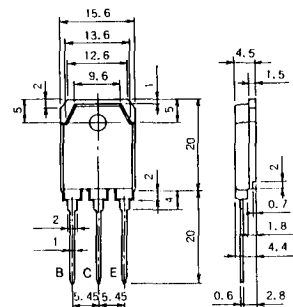
M-9C2A



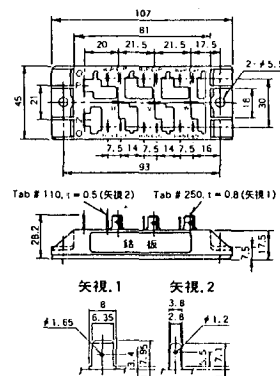
M-1A1B



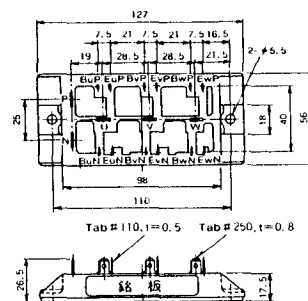
M-1A1C



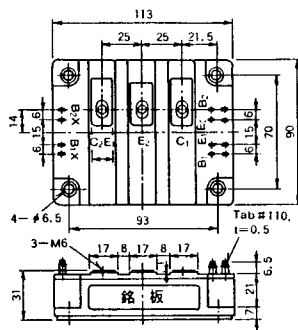
M-2E6B



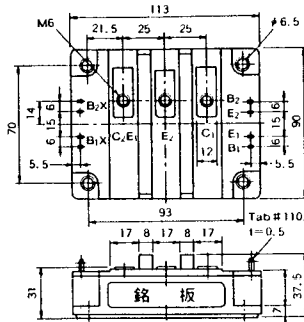
M-2E6C



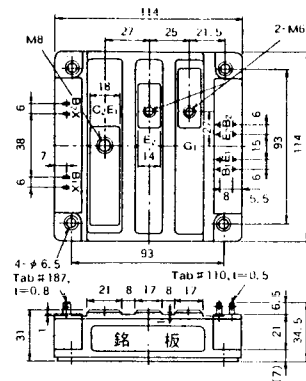
M-10A2A



M-10A2B



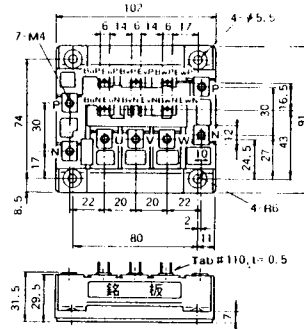
M-11A2A



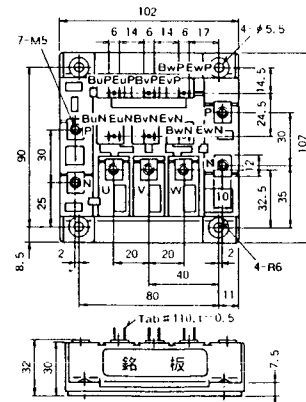
M-12A6A



M-12B6A



M-12B6B



M-4A2D



M-4A2E



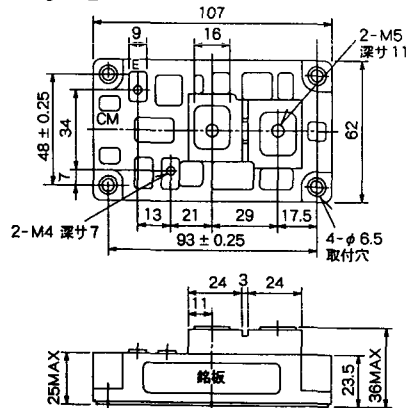
M-4C2A



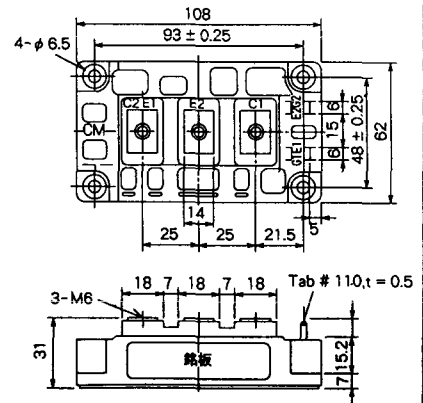
M-4C2B



M-9B1C



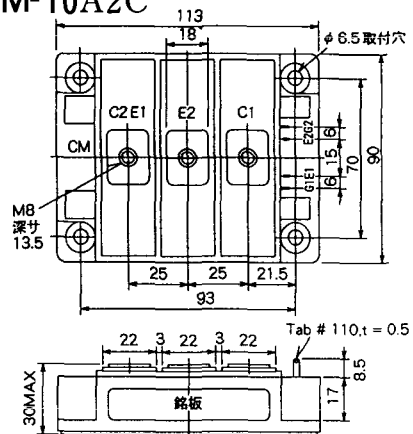
M-9D2A



M-9D2B



M-10A2C



H-101



Weight :480g

TERMINALS

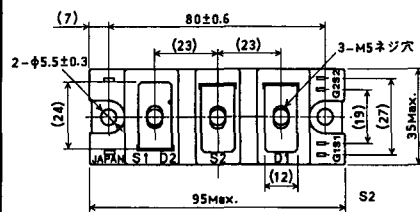
H-201



H-202



LF-J



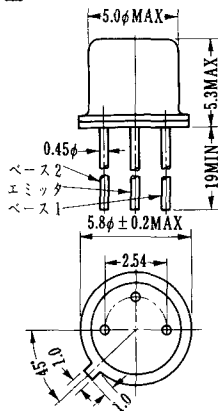
LF-K



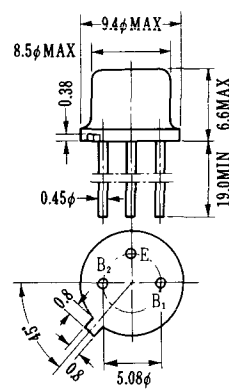
U-1



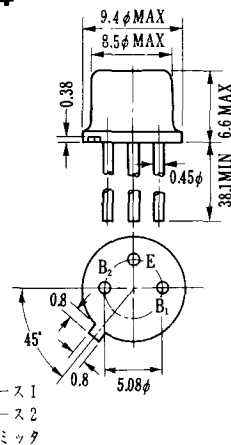
U-2



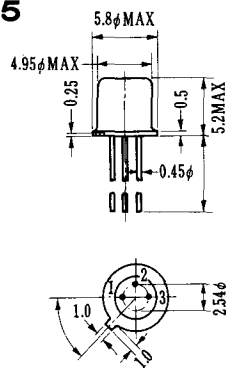
U-3



U-4

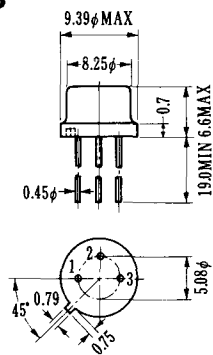


U-5



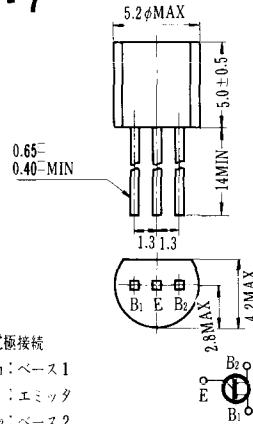
1. BASE 1
2. EMITTER
3. BASE 2 (CASE)

U-6



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

U-7



U-8

