

型 名	社 名	最 大 定 格														電 氣 的 特 性		
		V _{RS} M	V _{RR} M V _{DR} M	I _T (A)V	T _c (°C)	I _{TSM} (注1) (50Hz) (A)	I _{2t} t=2-10ms (A ² S)	di/dt			P _{GM}	P _{GCAV}	V _{GR} M	I _{GF} M	T _j	T _{stg}	I _{RR} M I _{DR} M	T _j (°C)
		(V)	(V)	(A)		(A)		(V/μs)	T _j (°C)	V _D (V)	(W)	(W)	(V)	(A)	(°C)	(°C)	(mA)	
103PA100	日本インテ	1150	1000	100.0	93	2000	20000.00	150	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	30.0	125
103PA120	日本インテ	1350	1200	100.0	93	2000	20000.00	150	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	30.0	125
103PA140	日本インテ	1550	1400	100.0	93	2000	20000.00	150	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	30.0	125
103PA160	日本インテ	1750	1600	100.0	93	2000	20000.00	150	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	30.0	125
108RP10	日本インテ	150	100	100.0	83	2000	20000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	15.0	125
108RP20	日本インテ	300	200	100.0	83	2000	20000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	15.0	125
108RP30	日本インテ	400	300	100.0	83	2000	20000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	15.0	125
108RP40	日本インテ	500	400	100.0	83	2000	20000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	15.0	125
108RP50	日本インテ	600	500	100.0	83	2000	20000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	15.0	125
108RP60	日本インテ	700	600	100.0	83	2000	20000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	15.0	125
108RP80	日本インテ	900	800	100.0	83	2000	20000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	15.0	125
128RS100	日本インテ	1200	1000	120.0	88	2500	31200.00	200	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	45.0	125
128RS120	日本インテ	1400	1200	120.0	88	2500	31200.00	200	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	45.0	125
128RS140	日本インテ	1600	1400	120.0	88	2500	31200.00	200	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	45.0	125
128RS160	日本インテ	1800	1600	120.0	88	2500	31200.00	200	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	45.0	125
129RW30	日本インテ	400	300	120.0	116	3700	68000.00				5.0	0.50	5.0	2.0	150	-40~150	15.0	150
129RW30L	日本インテ	400	300	120.0	116	3700	68000.00				5.0	0.50	5.0	2.0	150	-40~150	15.0	150
129RW40	日本インテ	500	400	120.0	116	3700	68000.00				5.0	0.50	5.0	2.0	150	-40~150	15.0	150
129RW40L	日本インテ	500	400	120.0	116	3700	68000.00				5.0	0.50	5.0	2.0	150	-40~150	15.0	150
158RP10	日本インテ	150	100	150.0	93	3500	61200.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
158RP20	日本インテ	300	200	150.0	93	3500	61200.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
158RP30	日本インテ	400	300	150.0	93	3500	61200.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
158RP40	日本インテ	500	400	150.0	93	3500	61200.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
158RP50	日本インテ	600	500	150.0	93	3500	61200.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
158RP60	日本インテ	700	600	150.0	93	3500	61200.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
158RP80	日本インテ	900	800	150.0	93	3500	61200.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
158RT180	日本インテ	2000	1800	150.0		2800	39000.00	200							125	-40~125	45.0	
158RT200	日本インテ	2200	2000	150.0		2800	39000.00	200							125	-40~125	45.0	
158RT250	日本インテ	2500	2500	150.0		2800	39000.00	200							125	-40~125	45.0	
178RS100	日本インテ	1200	1000	175.0	85	3500	61200.00	200	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	45.0	125
178RS120	日本インテ	1400	1200	175.0	85	3500	61200.00	200	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	45.0	125
178RS140	日本インテ	1600	1400	175.0	85	3500	61200.00	200	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	45.0	125
178RS160	日本インテ	1800	1600	175.0	85	3500	61200.00	200	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	45.0	125
208RP10	日本インテ	150	100	200.0	86	4000	80000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
208RP20	日本インテ	300	200	200.0	86	4000	80000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
208RP30	日本インテ	400	300	200.0	86	4000	80000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
208RP40	日本インテ	500	400	200.0	86	4000	80000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
208RP50	日本インテ	600	500	200.0	86	4000	80000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
208RP60	日本インテ	700	600	200.0	86	4000	80000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125
208RP80	日本インテ	900	800	200.0	86	4000	80000.00	100	125	2/3 V _{DR} M	10.0	2.00	5.0	2.0	125	-40~125	20.0	125

(注1) : * 印は 60Hz の場合の値。

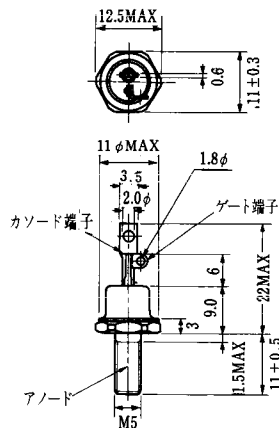
(注2) : 無印は接合 - ケース (またはフィン) 間の熱抵抗の値。* 印は接合 - 周囲間の熱抵抗の値。

電 気 的 性 質																		外形図	型 名	
V _{TM}				V _{GD} (min)			dv/dt (min)			*typ	T _q *typ				I _H	R _{th} (注 2)				
	(V)	T _j (°C)	I _{TM} (A)	V _{GT} (V)	I _{GT} (mA)	T _C (°C)	(V)	T _j (°C)	V _D (V)	(V/μs)	T _j (°C)	V _D (V)	(μs)	T _j (°C)	I _{TM} (A)	V _R (V)	*typ (mA)		(°C/W)	
2.00	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	500	125	2/3 V DRM						60*	0.1800	N1-11	103PA100
2.00	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	500	125	2/3 V DRM						60*	0.1800	N1-11	103PA120
2.00	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	500	125	2/3 V DRM						60*	0.1800	N1-11	103PA140
2.00	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	500	125	2/3 V DRM						60*	0.1800	N1-11	103PA160
1.50	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.3000	N1-4	108RP10
1.50	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.3000	N1-4	108RP20
1.50	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.3000	N1-4	108RP30
1.50	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.3000	N1-4	108RP40
1.50	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.3000	N1-4	108RP50
1.50	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.3000	N1-4	108RP60
1.50	25	314	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.3000	N1-4	108RP80
1.76	25	380	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						100*	0.2000	N1-5	128RS100
1.76	25	380	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						100*	0.2000	N1-5	128RS120
1.76	25	380	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						100*	0.2000	N1-5	128RS140
1.76	25	380	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						100*	0.2000	N1-5	128RS160
1.23	25	380	2.5	100.00	25\$	0.20	150	2/3 V DRM									30*	0.2500	N1-8	129RW30
1.23	25	380	2.5	100.00	25\$	0.20	150	2/3 V DRM									30*	0.2500	N1-7	129RW30L
1.23	25	380	2.5	100.00	25\$	0.20	150	2/3 V DRM									30*	0.2500	N1-8	129RW40
1.23	25	380	2.5	100.00	25\$	0.20	150	2/3 V DRM									30*	0.2500	N1-7	129RW40L
1.56	25	470	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	158RP10
1.56	25	470	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	158RP20
1.56	25	470	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	158RP30
1.56	25	470	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	158RP40
1.56	25	470	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	158RP50
1.56	25	470	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	158RP60
1.56	25	470	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	158RP80
1.80		470	3.0	150.00					200								0.1500	N1-5	158RT180	
1.80		470	3.0	150.00					200								0.1500	N1-5	158RT200	
1.80		470	3.0	150.00					200								0.1500	N1-5	158RT250	
1.65	25	550	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						100*	0.1500	N1-5	178RS100
1.65	25	550	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						100*	0.1500	N1-5	178RS120
1.65	25	550	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						100*	0.1500	N1-5	178RS140
1.65	25	550	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						100*	0.1500	N1-5	178RS160
1.45	25	630	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	208RP10
1.45	25	630	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	208RP20
1.45	25	630	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	208RP30
1.45	25	630	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	208RP40
1.45	25	630	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	208RP50
1.45	25	630	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	208RP60
1.45	25	630	3.0	150.00	25\$	0.20	125	2/3 V DRM	200	125	2/3 V DRM						50*	0.1500	N1-5	208RP80

・電気的特性において、(min), (typ)等, 特に記入のないものは(max)値を表す。

・温度条件において、無印は表記温度, * 印は周囲温度(Ta), # 印はケースまたはフィン温度(Tc または Tf), \$ 印は接合部温度(Tj)をそれぞれ表す。

FD-1



FD-2



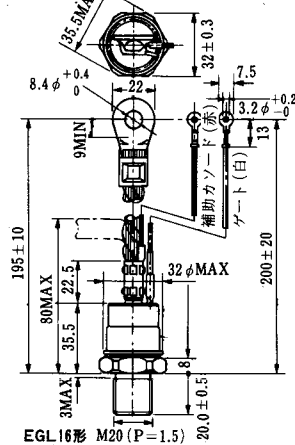
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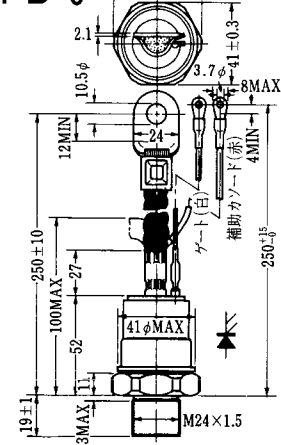
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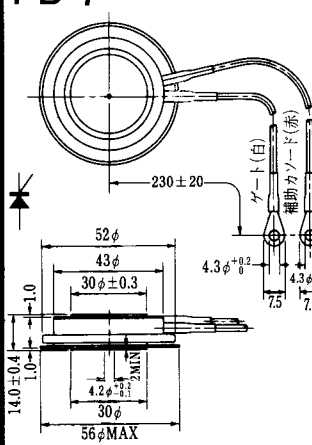
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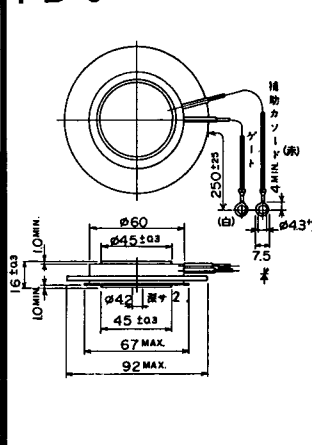
FD-6



FD-7



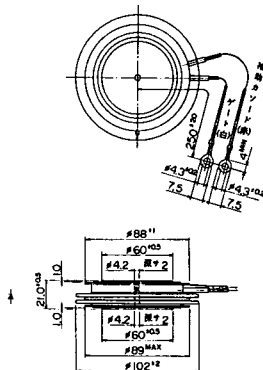
FD-8



FD-9

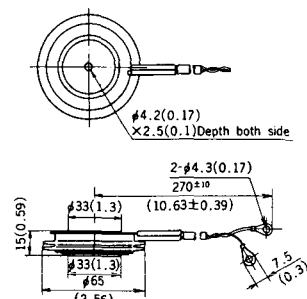
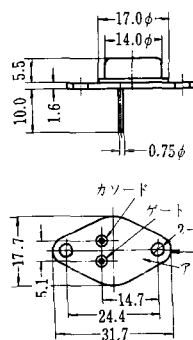
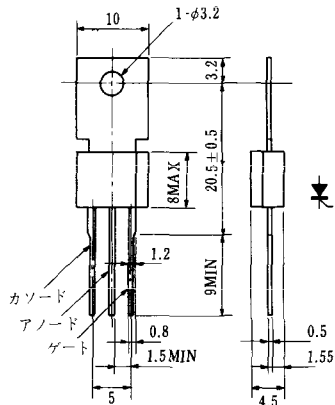


FD-10

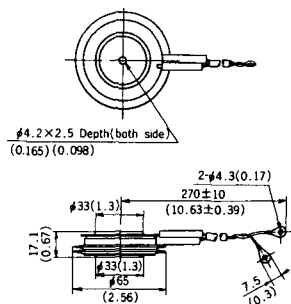


FD-11

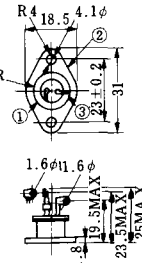
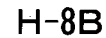
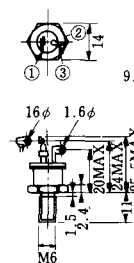
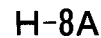
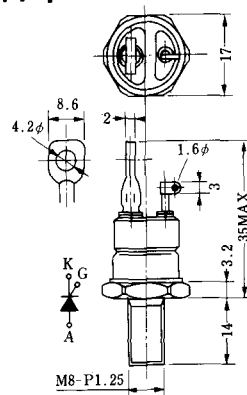
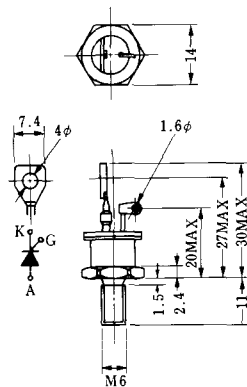
FD-12



Unit in mm(inch)

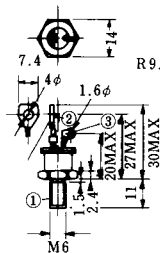


Unit in mm(inch)

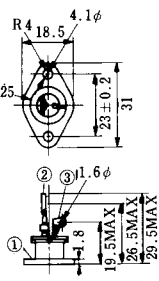


- ①アノード
②カソード
③ゲート

H-9A

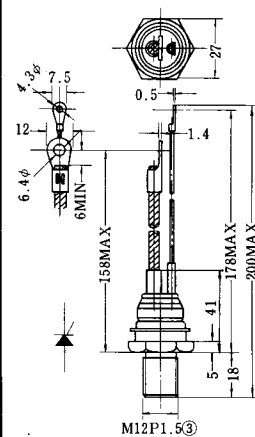


H-9B

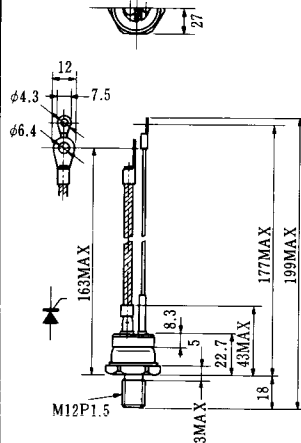


- ① アノード
- ② カソード
- ③ ゲート

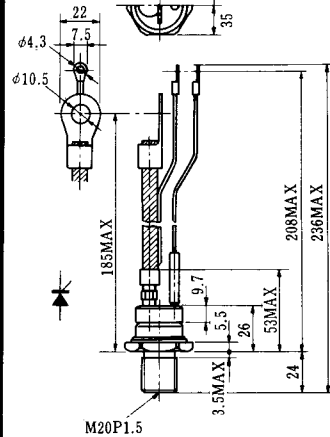
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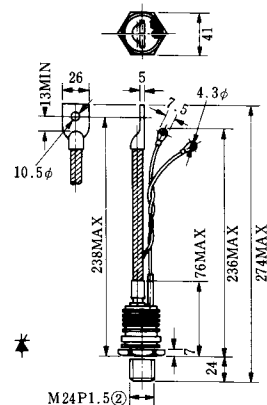
H-11



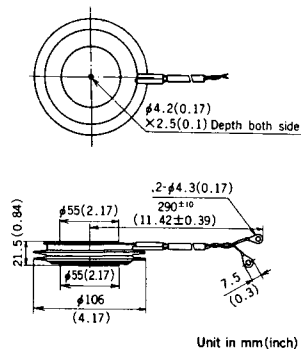
H-12



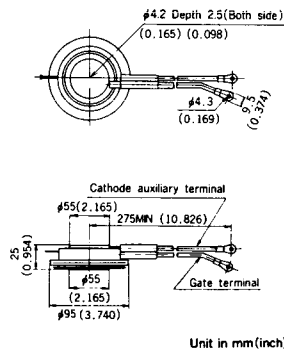
H-13



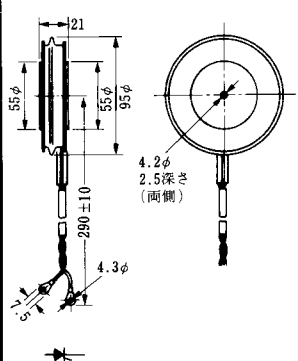
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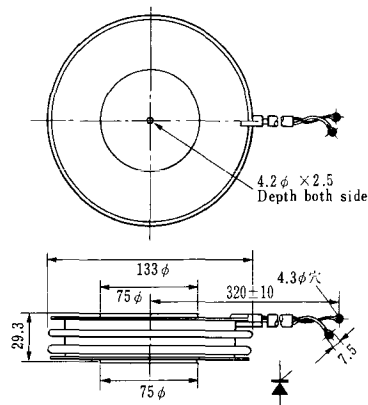
H-15



H-16



H-17



H-18



H-19



H-20



H-21



H-22



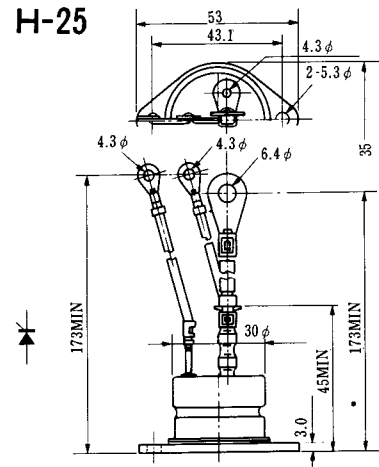
H-23



H-24



H-25



H-26



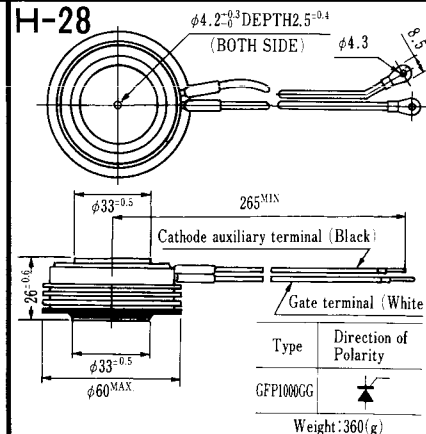
Type	Direction of polarity
CA12	

H-27



Type	Direction of polarity
CF11V	

H-28



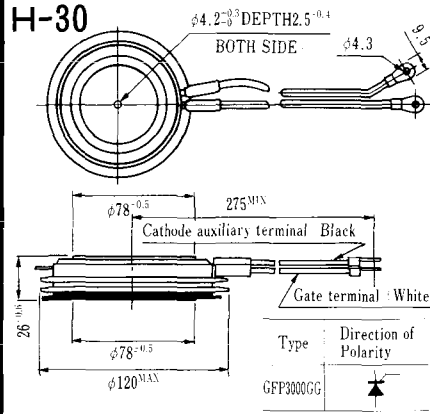
Note: The thickness is a dimension in press at the rated mounting force.

H-29



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

H-30



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

HT-1



Unit in mm (inch)

HT-2



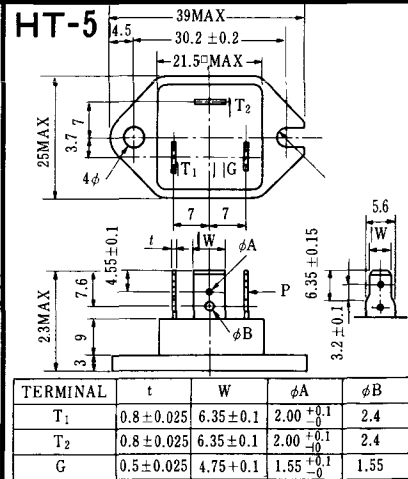
HT-3



HT-4



HT-5

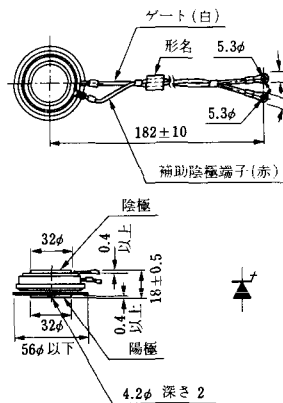


《寸法図単位：mm》

M-1



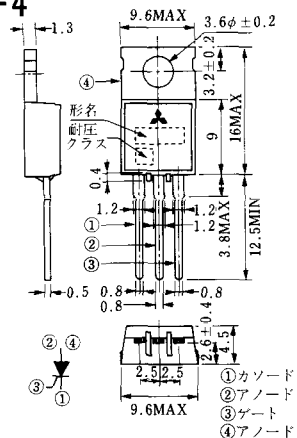
M-2



M-3



M-4



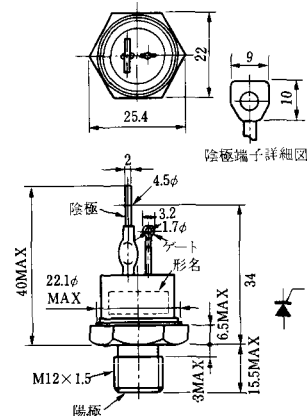
M-5



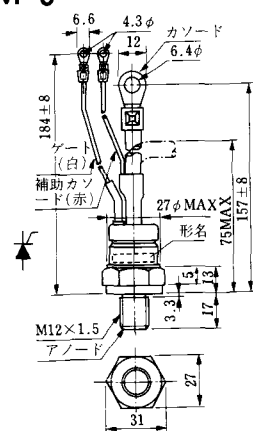
M-6



M-7



M-8



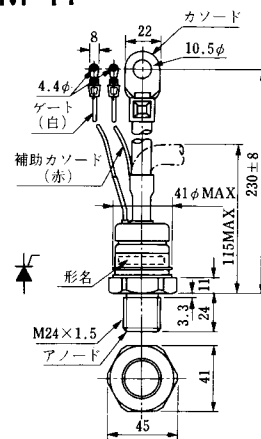
M-9



M-10



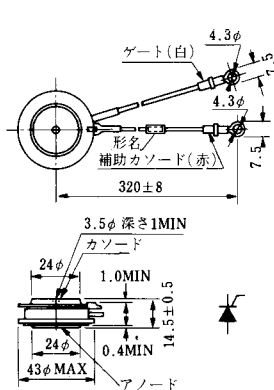
M-11



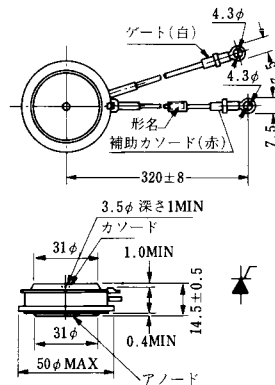
M-12



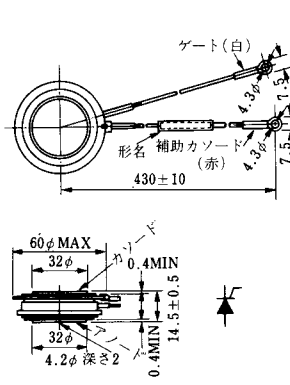
M-13



M-14



M-15



M-16



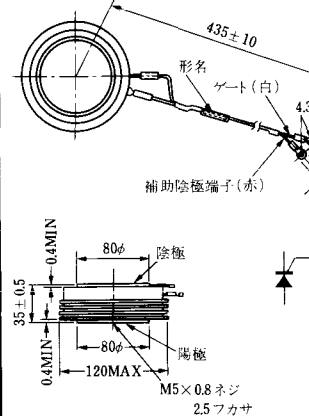
M-17



M-18



M-19



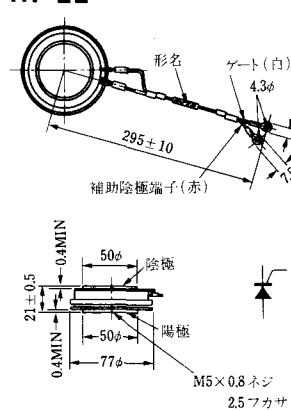
M-20



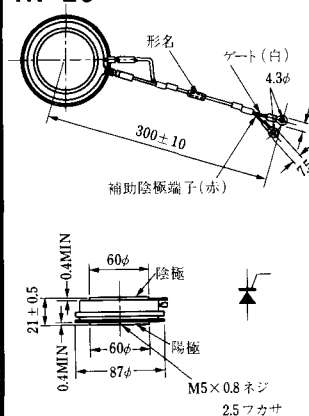
M-21



M-22



M-23



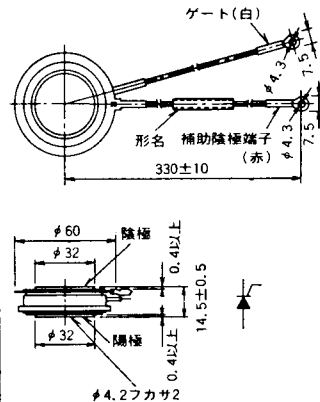
M-24



M-25



M-26



M-27



M-28



M-29



M-30



M-31



M-32



M-33



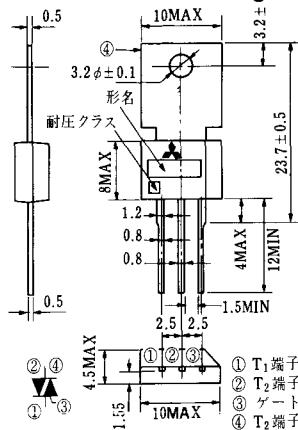
M-34



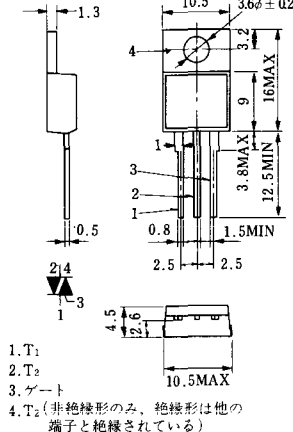
MT-1



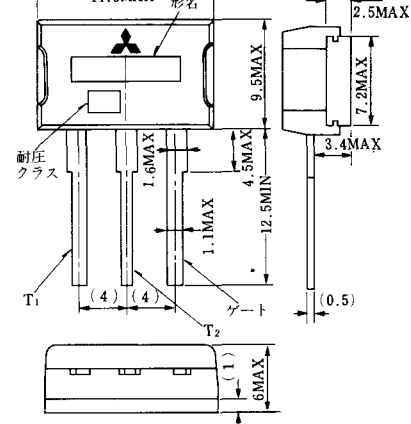
MT-2



MT-3



MT-4



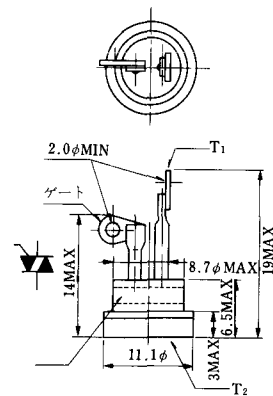
MT-5



MT-6



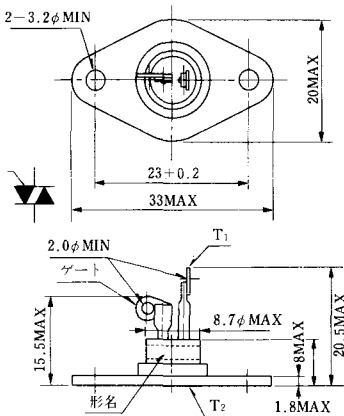
MT-7



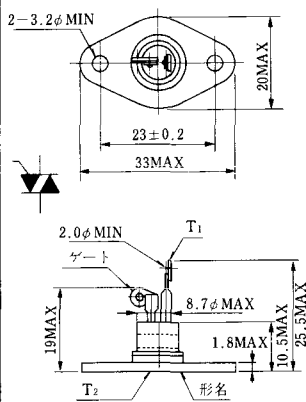
MT-8



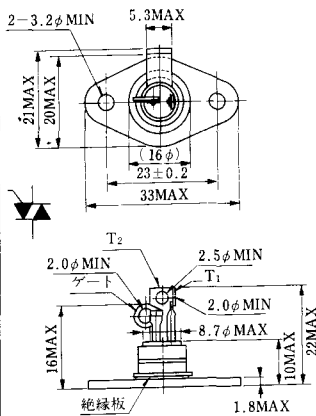
MT-9



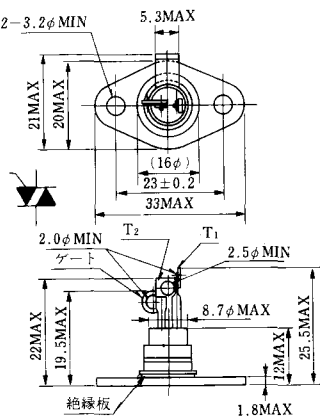
MT-10



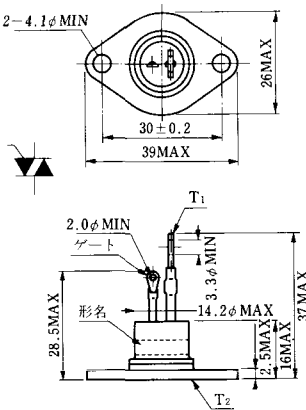
MT-11



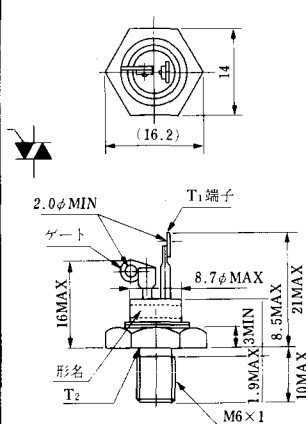
MT-12



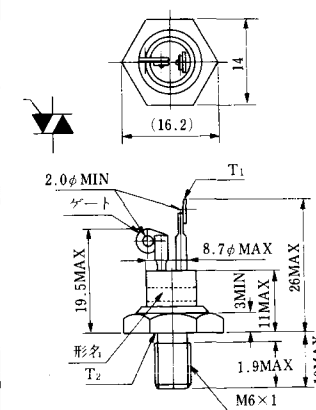
MT-13



MT-14



MT-15



MT-16



MT-17



MT-18



MT-19



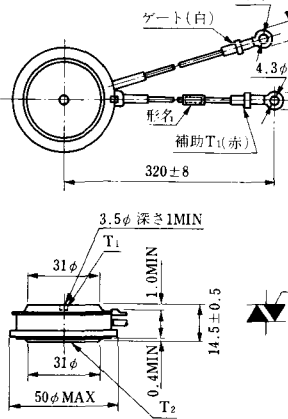
MT-20



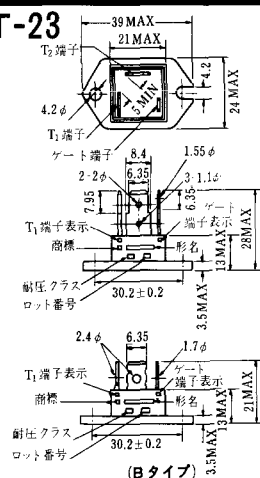
MT-21



MT-22



MT-23



MT-24



- ① T1 端子
 - ② T2 端子
 - ③ ゲート 端子
 - ④ T2 端子
- TO - 3P

N-1



電極接続

- ① カソード
- ② ゲート
- ③ アノード

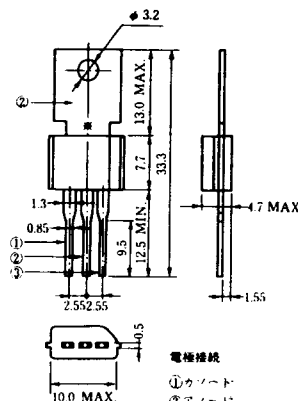
N-2



電極接続

- ① ゲート
- ② アノード
- ③ カソード

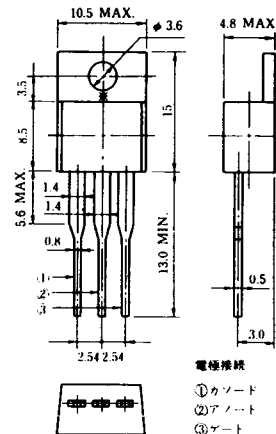
N-3



電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-4



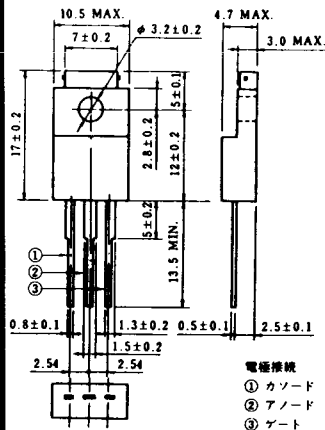
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-5



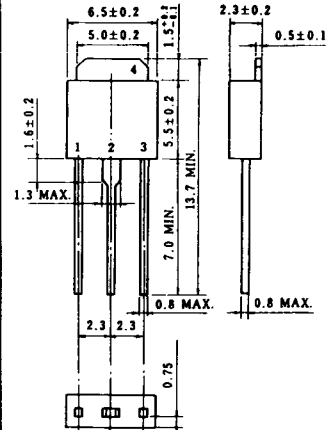
N-6



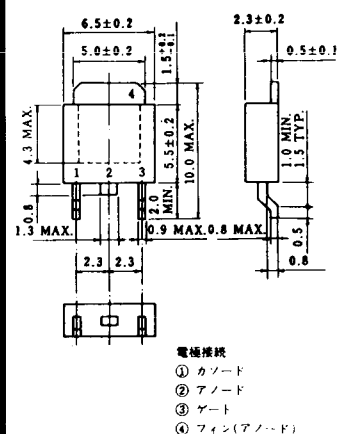
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-7



N-8



電極接続

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

N-9



電極接続

K : カソード

A : アノード

G : ゲート

NA-1



電極接続

1. ゲート
2. アノード
3. カソード

JEDEC: TO-92

NA-2

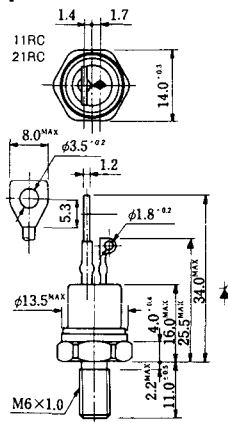


電極接続

1. カソード
2. アノード
3. ゲート

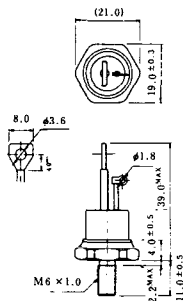
JEDEC: TO-202AA

NI-1



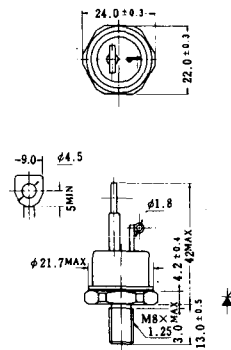
NI-2

29RD



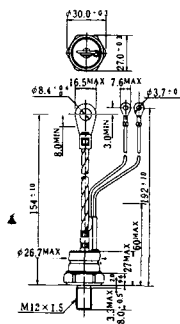
NI-3

39RC
59RC
39RF
59RF



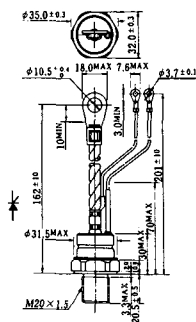
NI-4

68RP, 88RP, 108RP, 68RS,
88RS, 78RT, 88RLD, 88RLE,
88RLF, 88RLG, 88RLH, 108RLE



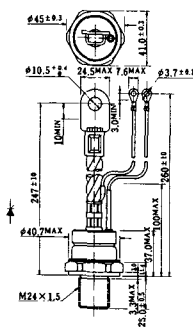
NI-5

158RP, 208RP, 128RS, 178RS,
158RT, 178RLD, 178RLE,
178RLF, 178RLG, 178RLH,
208RLE



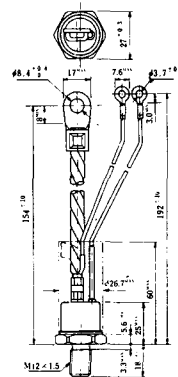
NI-6

308RP, 408RP, 508RP, 278RS,
358RS, 258RT, 258RLD, 258RLG,
258RLH, 308RLE, 308RLF,
358RLE



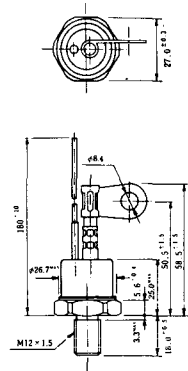
NI-7

89RW $\frac{1}{2}$ L
129RW $\frac{1}{2}$ L



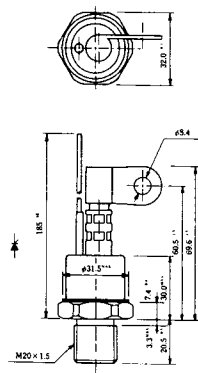
NI-8

89RW
129RW



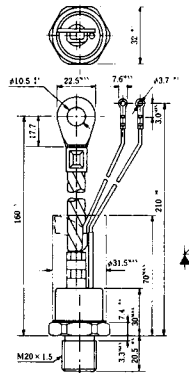
NI-9

259RW
309RW



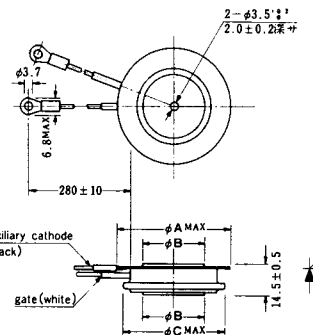
NI-10

259RW_JL
309RW_JL



NI-11

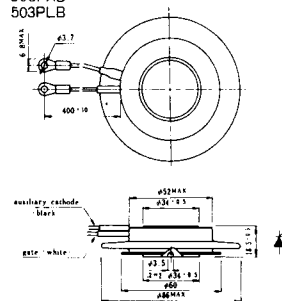
103PA
253PA
503PA
553PA
803PA
103PLE
103PLG
103PLH
203PLG
253PLE
253PLH
353PLG
403PLE
403PLH



型名	103PA, 103PLE, 103PLG, 103PLH	253PA, 203PLG, 253PLE, 253PLH	503PA, 553PA, 353PLG, 403PLE, 403PLH	803PA
寸法				
A	40	46	55.5	55.5
B	16	22	30	32
C	36	42	50.5	50.5

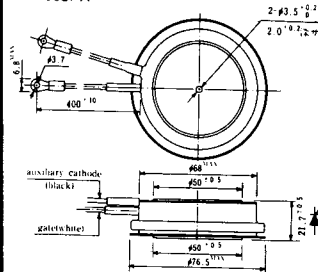
NI-12

403PAB
503PAB
503PLB



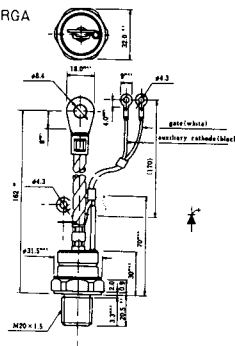
NI-13

1003PA
1003PAB
1003PLF
1003PLH
1503PA



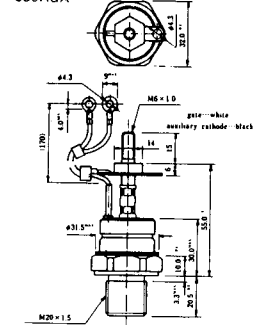
NI-14

358RGA



NI-15

359RGA



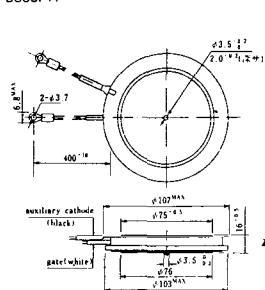
NI-16

503PLF
503PLH



NI-17

3003PA



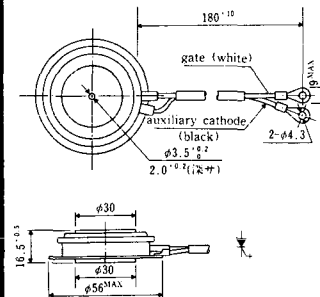
NI-18

353PGA「E



NI-19

603PGA, 603PGA「A, 803PGA



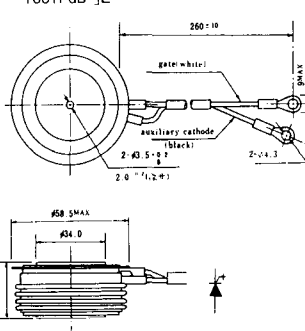
NI-20

603PGA「E



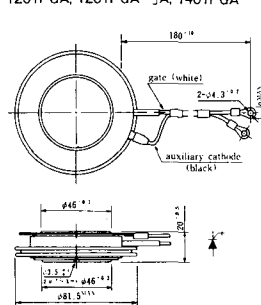
NI-21

1001PGB「E



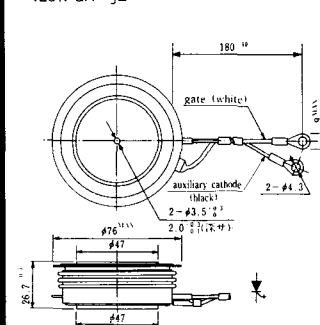
NI-22

1201PGA, 1201PGA「A, 1401PGA



NI-23

1201PGA「E



NI-24

2001PGB^r JE



NI-25

NI-26

NT-1



電極接続
①T₁
②ゲート
③T₂

NT-2



電極接続
①T₁
②ゲート
③T₂

NT-3



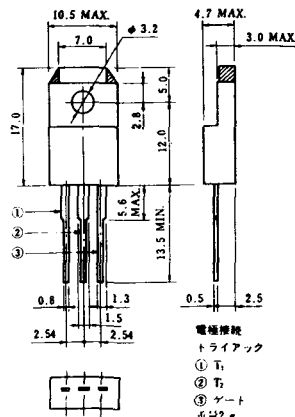
電極接続
①T₁
②T₂
③ゲート

NT-4



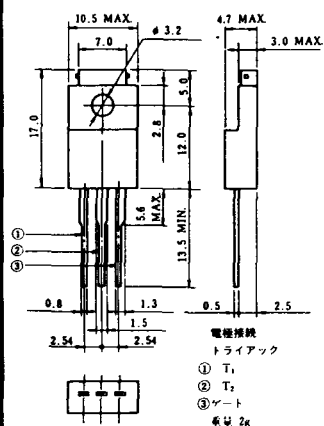
電極接続
①T₁
②T₂
③G

NT-5



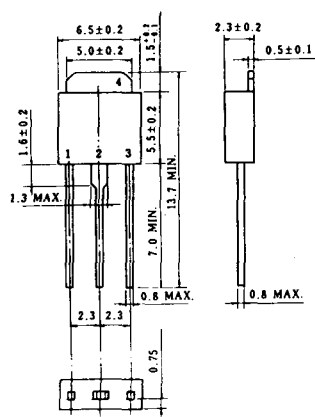
電極接続
トライアック
①T₁
②T₂
③ゲート
※2g

NT-6

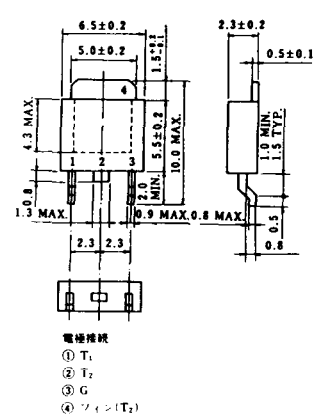


電極接続
トライアック
①T₁
②T₂
③ゲート
※2g

NT-7



NT-8



電極接続
①T₁
②T₂
③G
④フィイン(T₂)

S-1



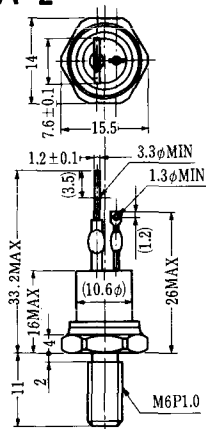
ST-1



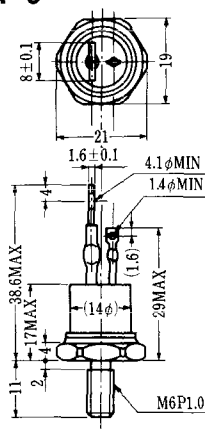
SA-1



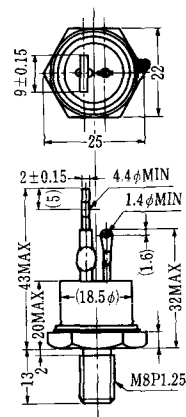
SA-2



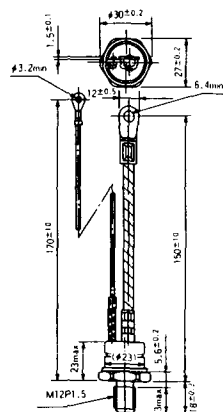
SA-3



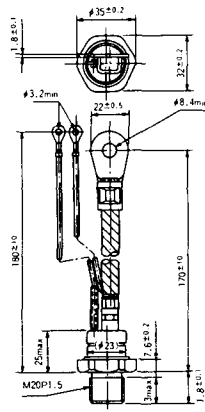
SA-4



SA-5



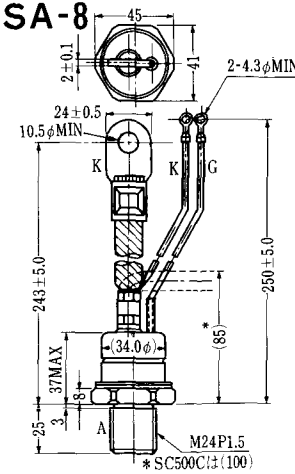
SA-6



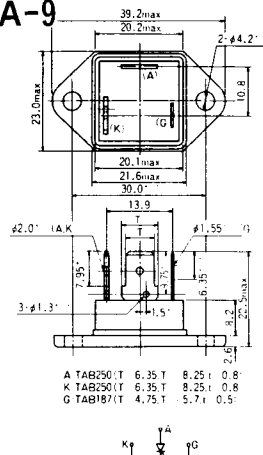
SA-7



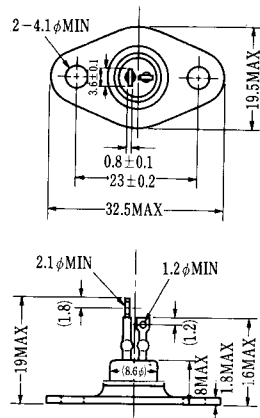
SA-8



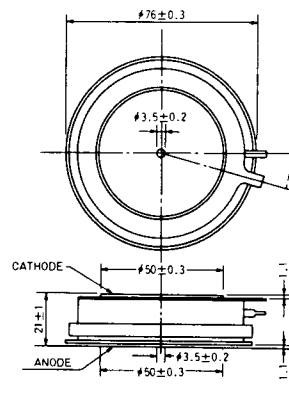
SA-9



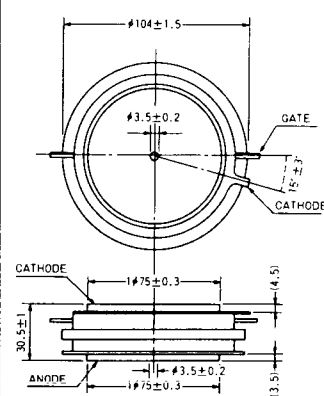
SA-10



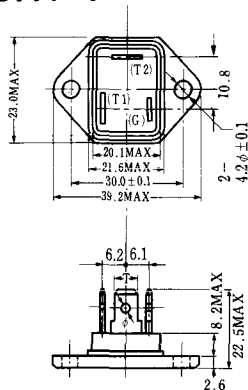
SA-11



SA-12



SAT-1

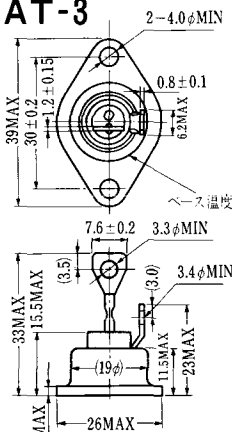


T1端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
T2端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
G端子:ファストン187($T=4.75$, $t=0.5$, $\phi=1.3$)

SAT-2



SAT-3



SAT-4



SAT-5



SAT-6



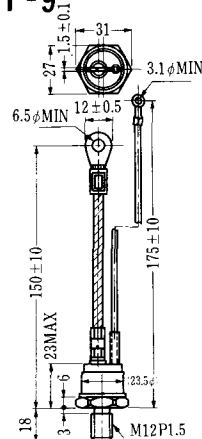
SAT-7



SAT-8



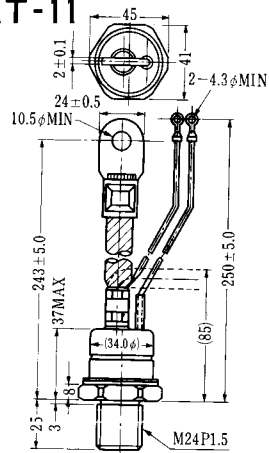
SAT-9.



SAT-10



SAT-11



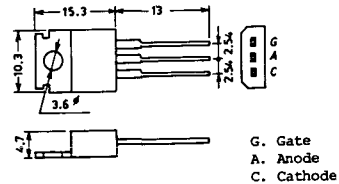
SY-1(1096A)



SY-2(1151)



SY-3(1104)



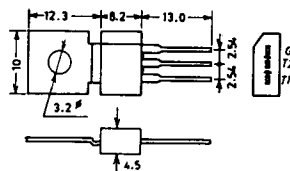
SY-4(1150)



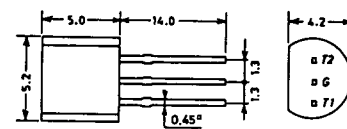
1097A



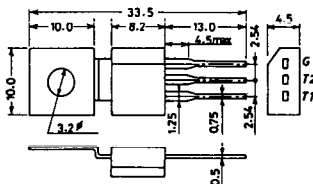
1102



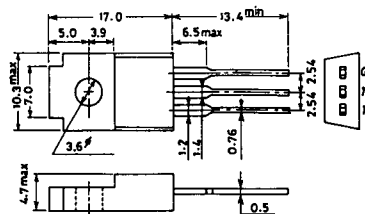
1141



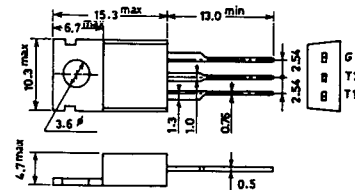
1142



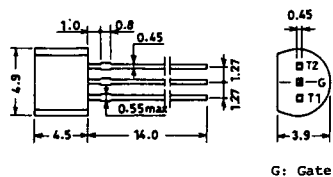
1144



1155



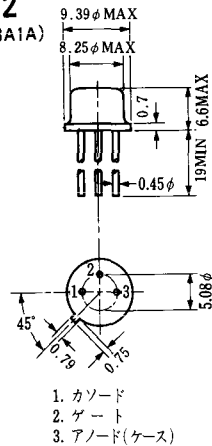
1192A



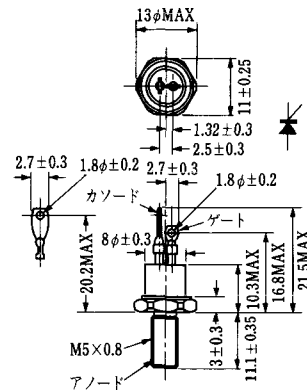
T-1 (13-5A1A)



T-2 (13-8A1A)



T-3 (13-8C1A)



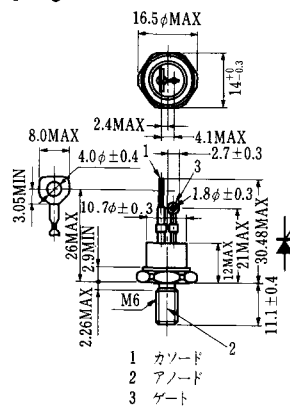
T-4 (13-10A1A)



T-5 (13-10B1A)



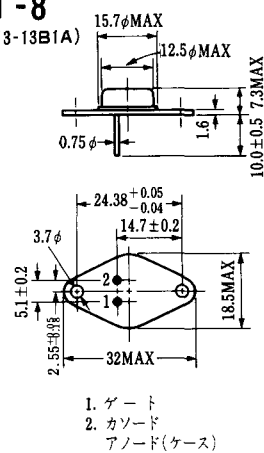
T-6 (13-11D1A)



T-7 (13-13A1A)



T-8 (13-13B1A)



T-17 (13-42A1A)



T-18 (13-45D1A)



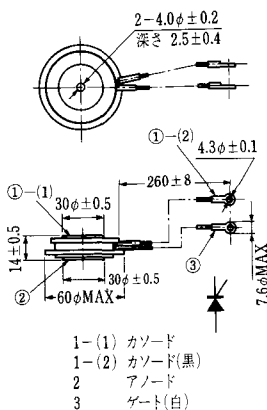
T-19 (13-52B1A)



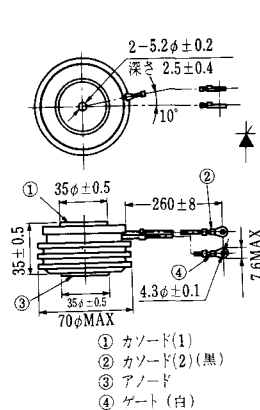
T-20 (13-52C1A)



T-21 (13-60A1A)



T-22 (13-70C1A)



T-23 (13-78A1A)



T-24 (13-100C1A)



T-25 (13-120A2A)



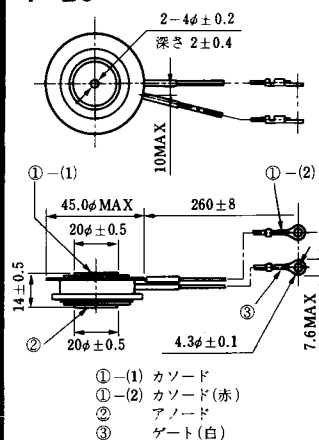
T-26 (13-150A1A)



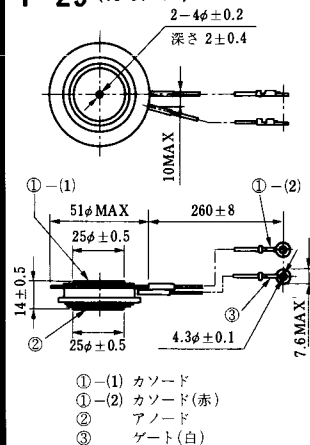
T-27 (13-37A1A)



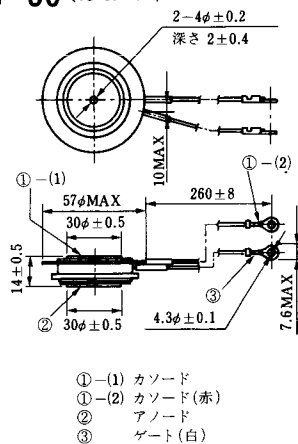
T-28 (13-45E1A)



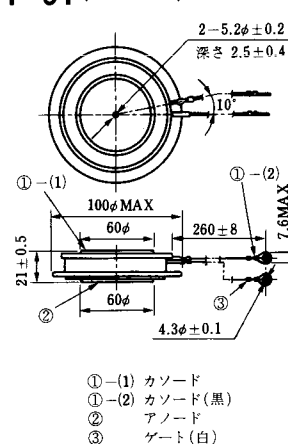
T-29 (13-51A1A)



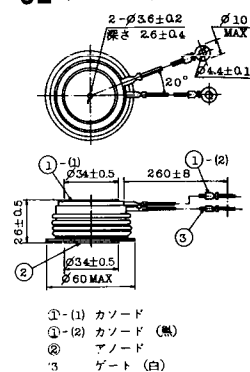
T-30 (13-57A1A)



T-31 (13-100E1A)



T-32 (13-60E3A)



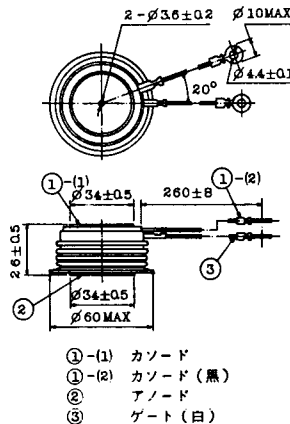
T-41 (13-28A2A)



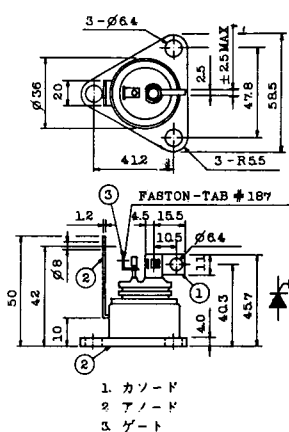
T-42 (13-45F1A)



T-43 (13-60E2A)



T-44 (13-36A1A)



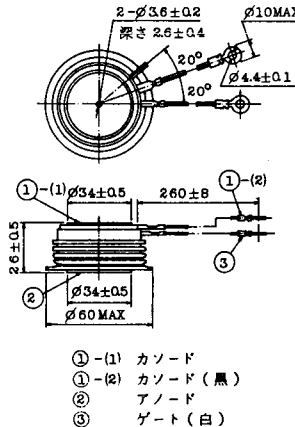
T-45 (13-51B1A)



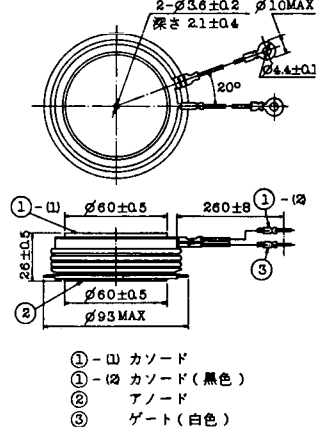
T-46 (13-36B1A)



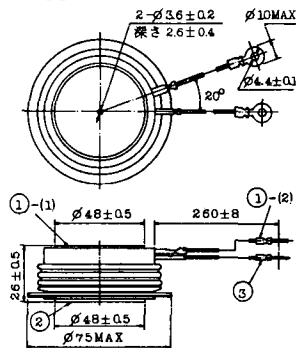
T-47 (13-60E1A)



T-48 (13-93C1A)

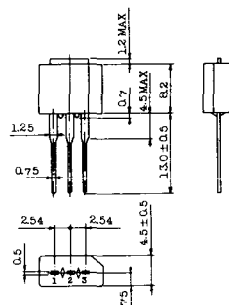


T-49 (13-75A1A)



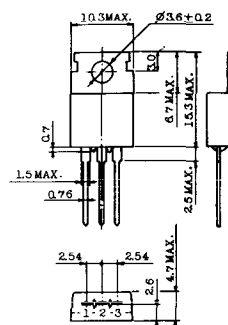
- 1-(1) カソード
1-(2) カソード (黒)
2 アノード
3 ゲート (白)

T-50 (13-10A3A)



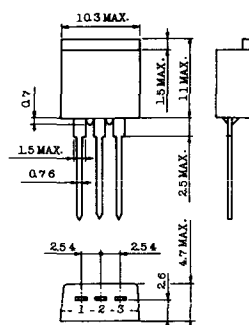
- 1 カソード
2 アノード
3 ゲート

T-51 (13-10D1A)



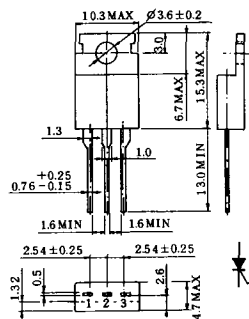
- 1 カソード
2 アノード
3 ゲート

T-52 (13-10D2A)



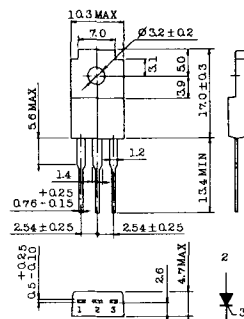
- 1 カソード
2 アノード
3 ゲート

T-53 (13-10E1B)



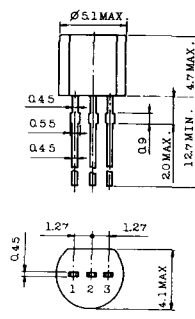
- 1 カソード
2 アノード
3 ゲート

T-54 (13-10F1B)



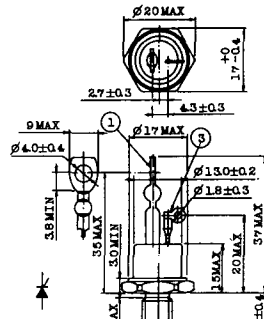
- 1 カソード
2 アノード
3 ゲート

T-55 (13-5A1D)



- 1 カソード
2 ゲート
3 アノード

T-56 (13-13C1A)

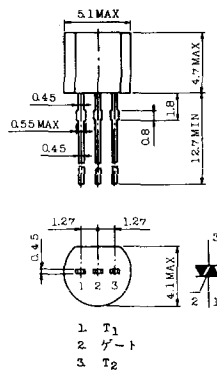


- 1 カソード
2 アノード
3 ゲート

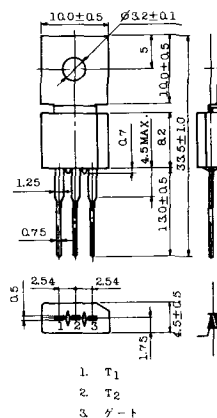
TT-1



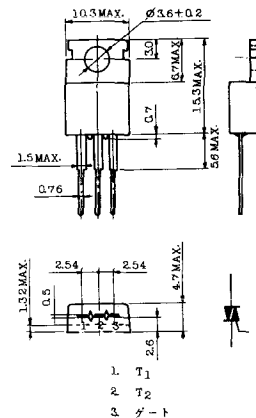
TT-2



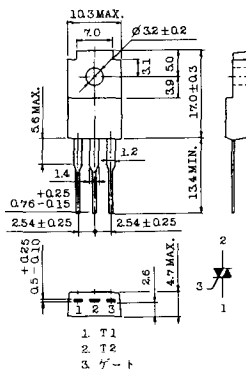
TT-3



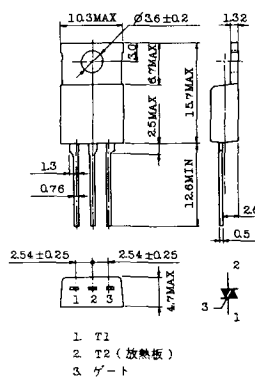
TT-4



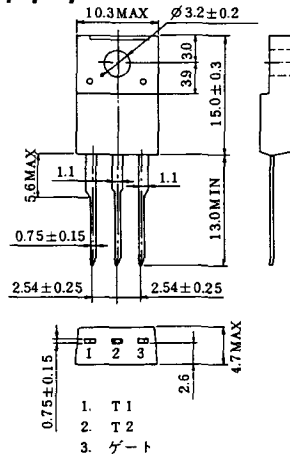
TT-5



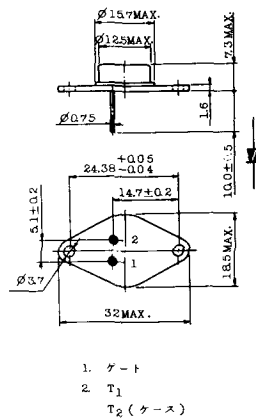
TT-6

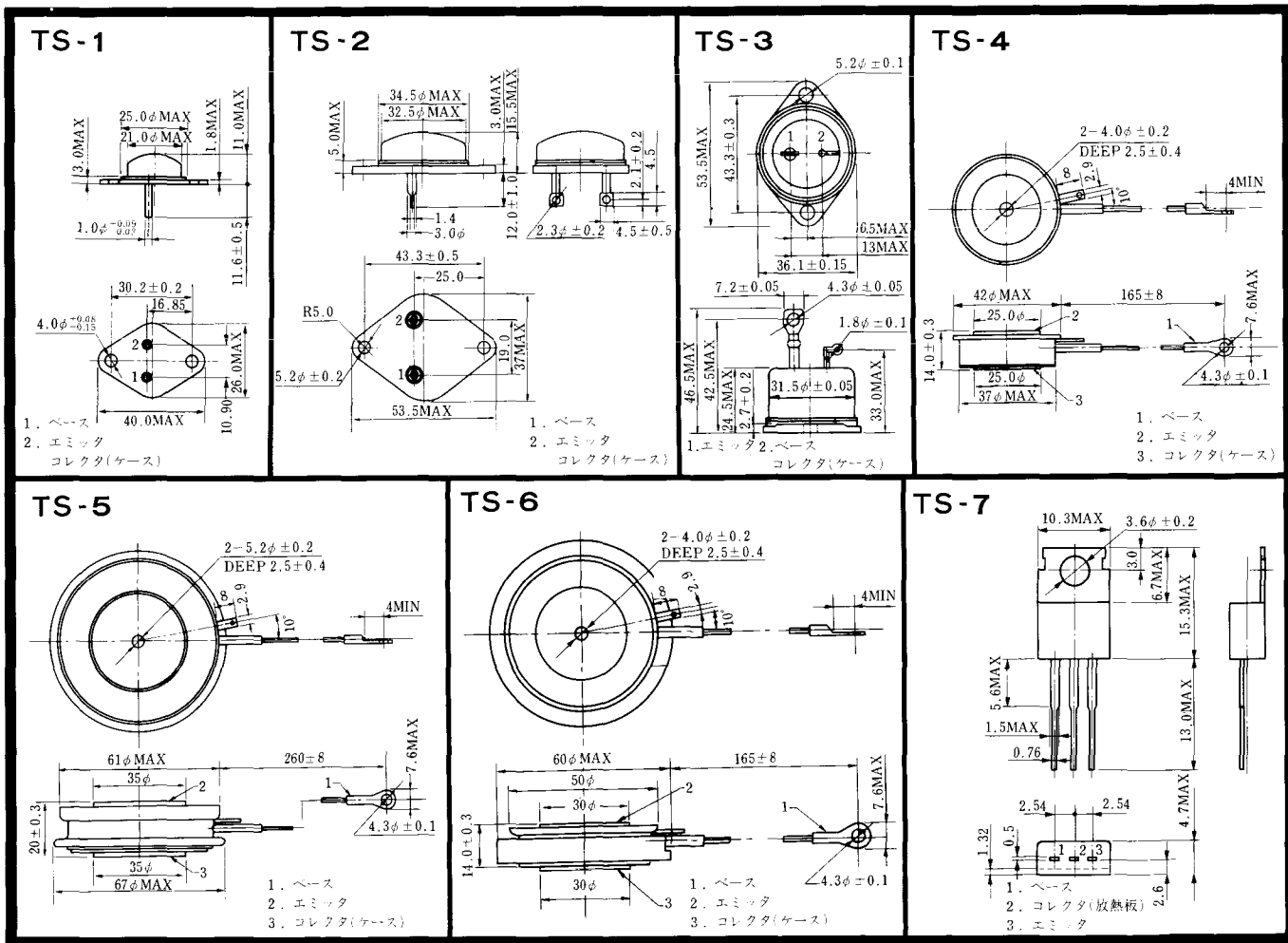


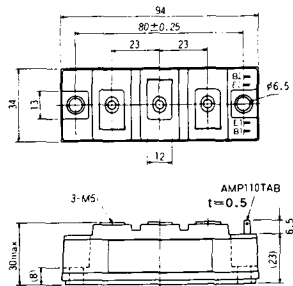
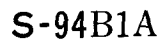
TT-7



TT-8







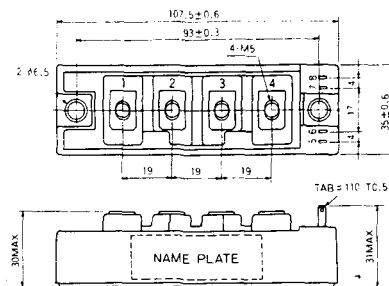
S-108B1A



S-108B1B



S-108B1C



S-108B2A



S-108B2B



2-22B1A



2-27A4A



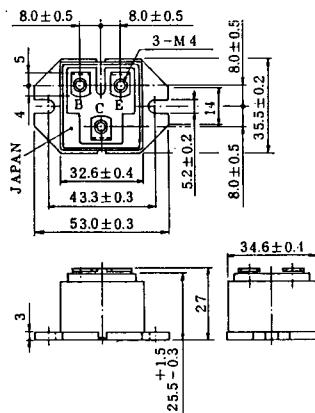
2-33C1A



2-33D1A



2-33F1A



2-37A1A



2-48A3A



2-48A3B



2-48A4A



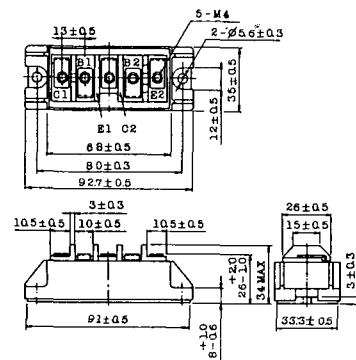
2-64A2A



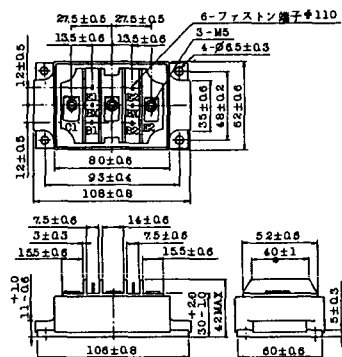
2-64A2B



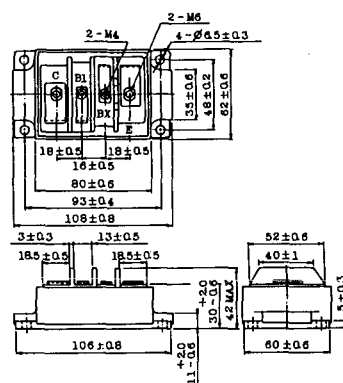
2-68A2A



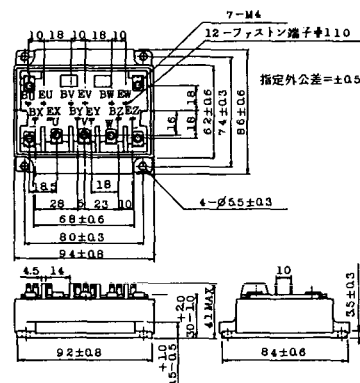
2-80C1A



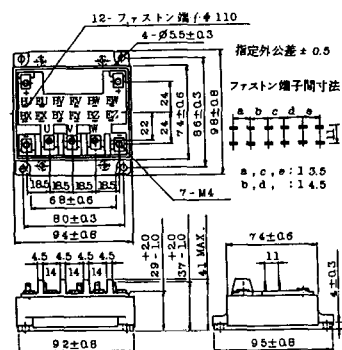
2-80D2A



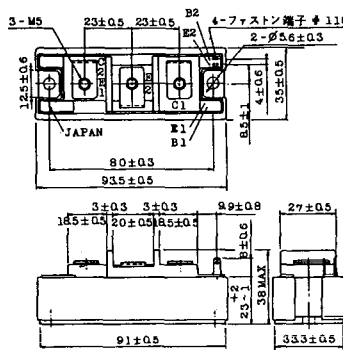
2-94A2A



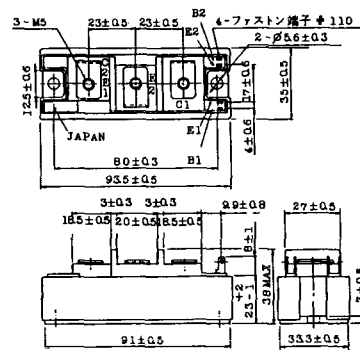
2-94B1A



2-94C2A



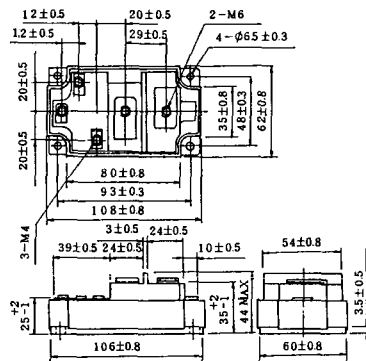
2-94C3A



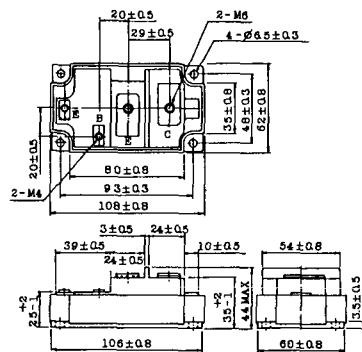
2-108B1A



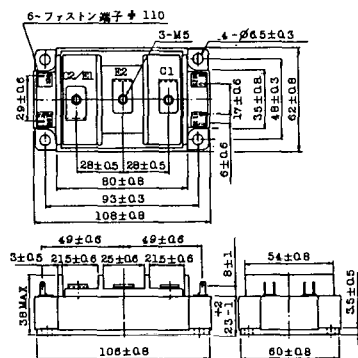
2-109A3A



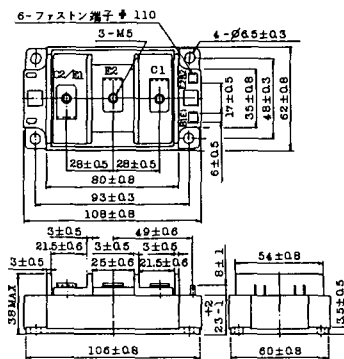
2-109A4A



2-109B3A



2-109B4A



BBT-II

BBTII
1D200A-020



BBT-III

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



BBT-III

BBTIII
ETN01-055
ET1257

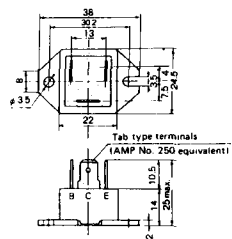


BBT-IV

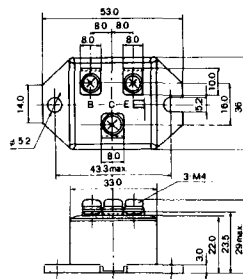
BBTIV
1D500A-030



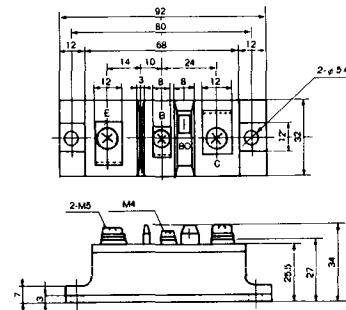
M-101



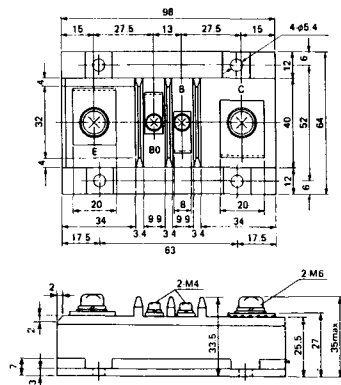
M-102



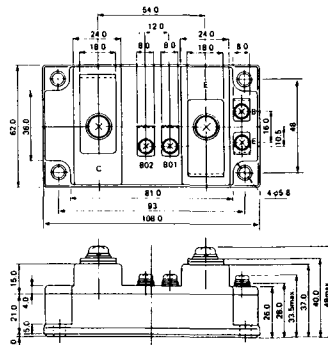
M-103



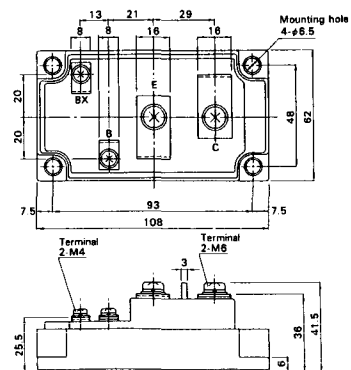
M-104



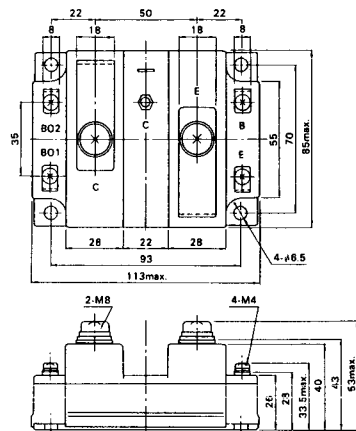
M-105



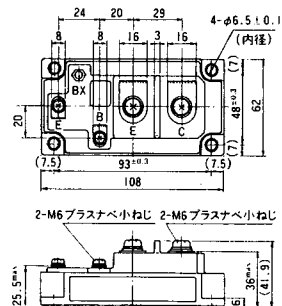
M-106



M-107



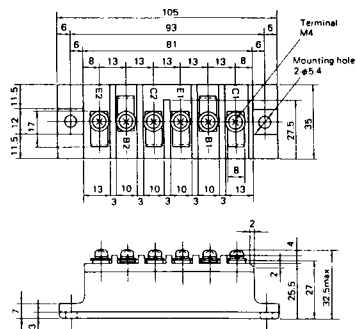
M-116



M-201



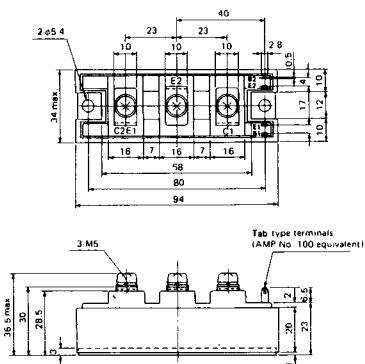
M-202



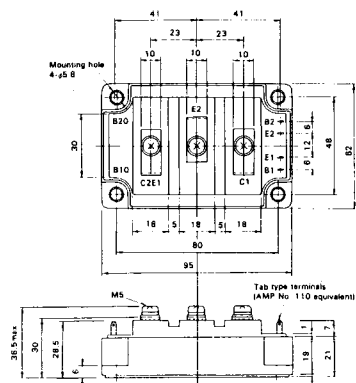
M-203



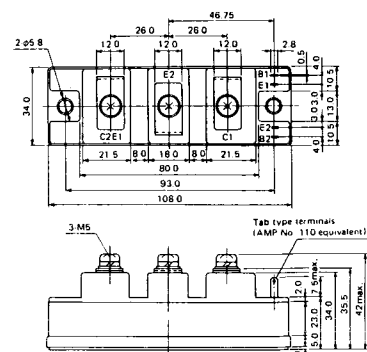
M-204



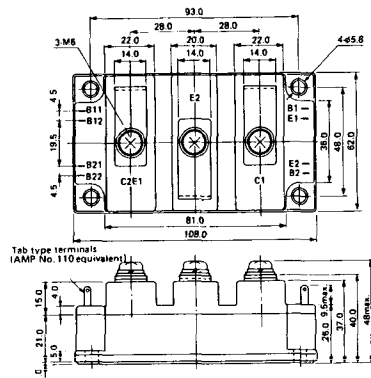
M-205



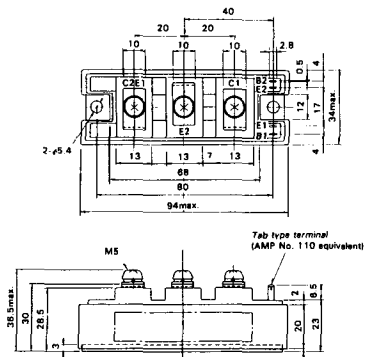
M-206



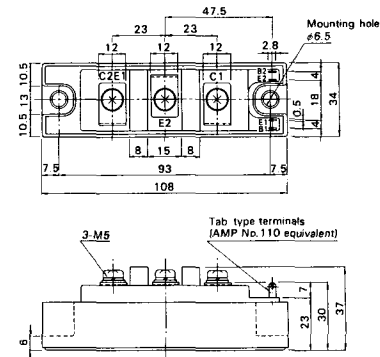
M-207



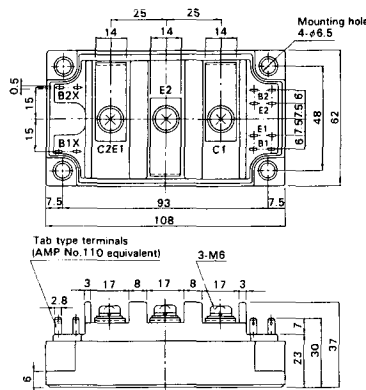
M-208



M-209



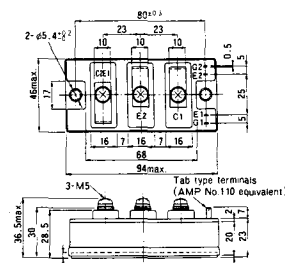
M-210



M-211



M-212

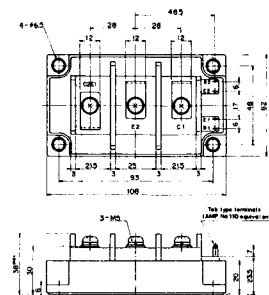


M-213



M-214

M-215



M-216



M-217



M-218



M-601



M-602



M-603



M-604



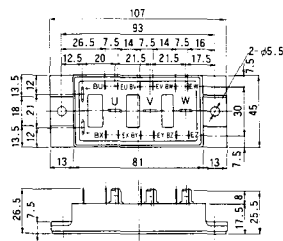
M-605



M-606



M-607



M-608



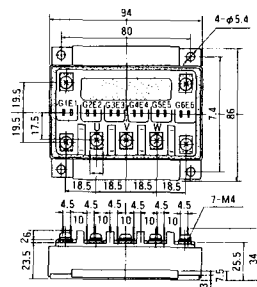
M-609



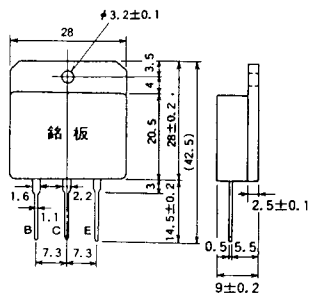
M-610



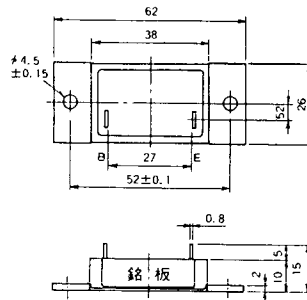
M-616



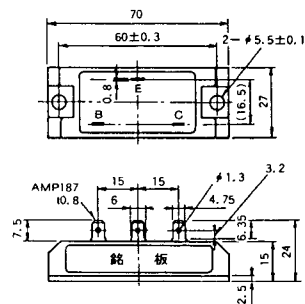
M-1A1A



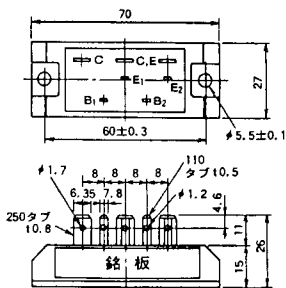
M-2A1A



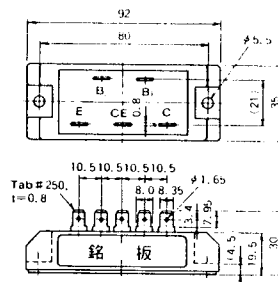
M-2B1A



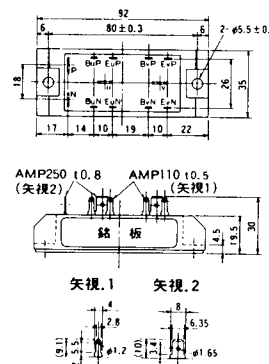
M-2B2A



M-2C2A



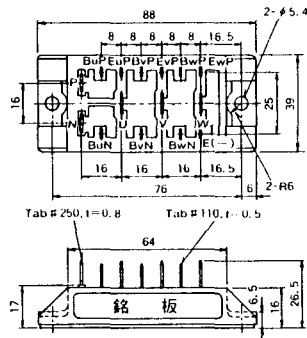
M-2D4A



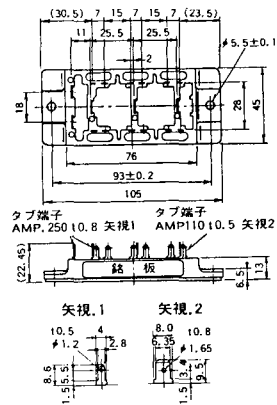
M-2E6A



M-2F6A



M-2G6A



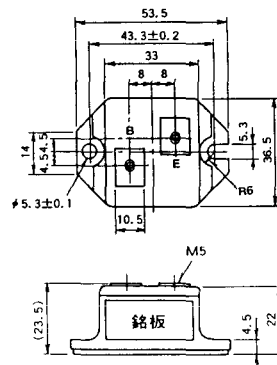
M-3A1A



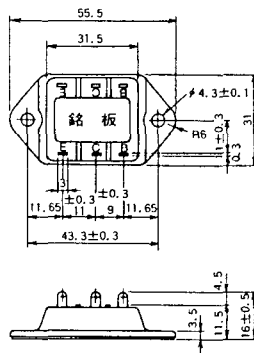
M-3B1A



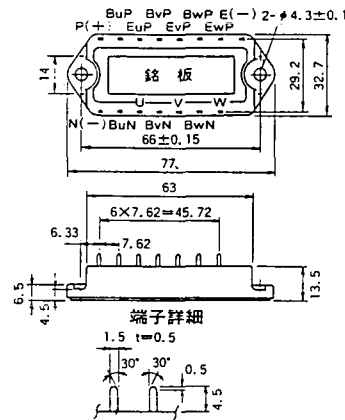
M-3B1B



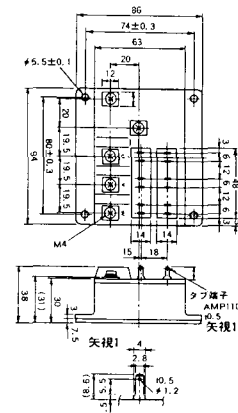
M-3C1A



M-3D6A



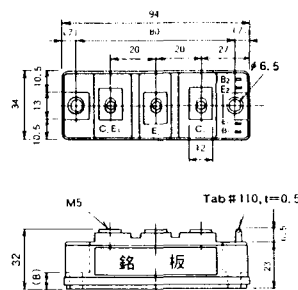
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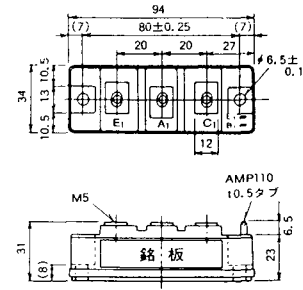
M-4A1A



M-4A2A



M-4A1B



M-4A2B



M-4B2A



M-5A1A



M-5A1B



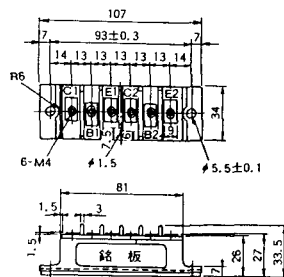
M-5A2A



M-5B2A



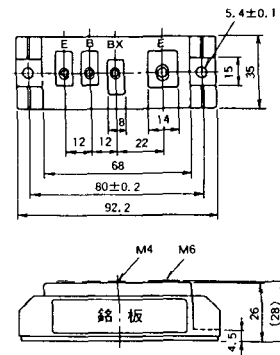
M-5C2A



M-5D2A



M-6A1A



M-7A1A



M-7B1A



M-8A1A



M-8A1B



M-8A2A



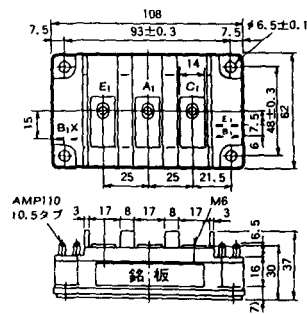
M-8A2B



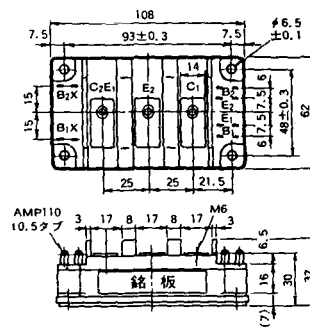
M-8B2A



M-9A1A



M-9A2A



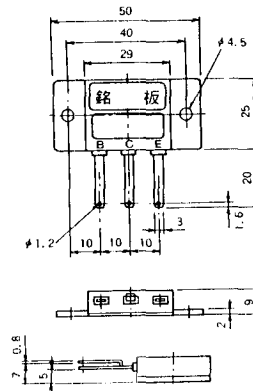
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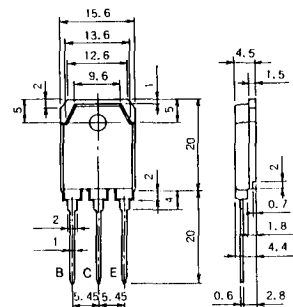
M-9C2A



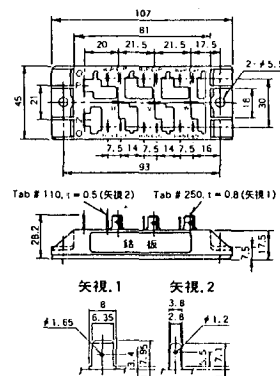
M-1A1B



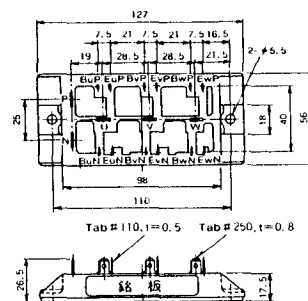
M-1A1C



M-2E6B



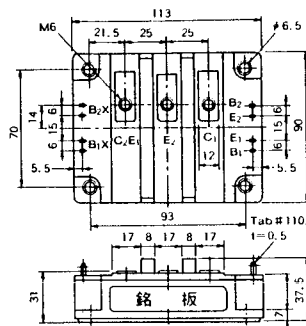
M-2E6C



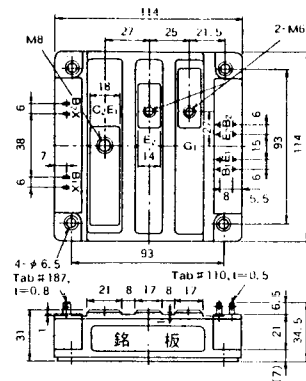
M-10A2A



M-10A2B



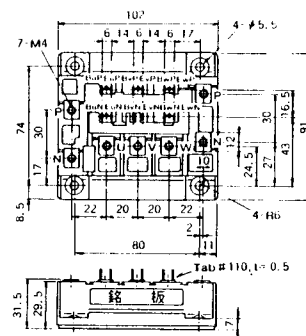
M-11A2A



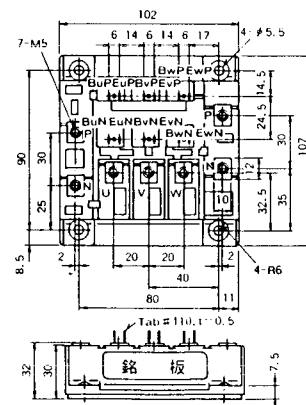
M-12A6A



M-12B6A



M-12B6B



M-4A2D



M-4A2E



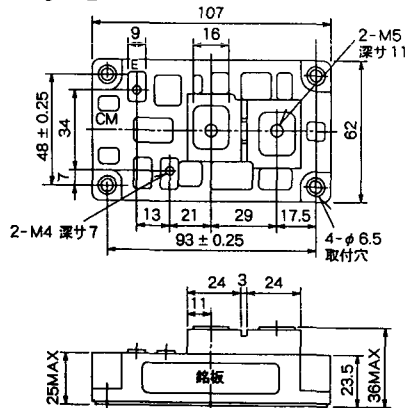
M-4C2A



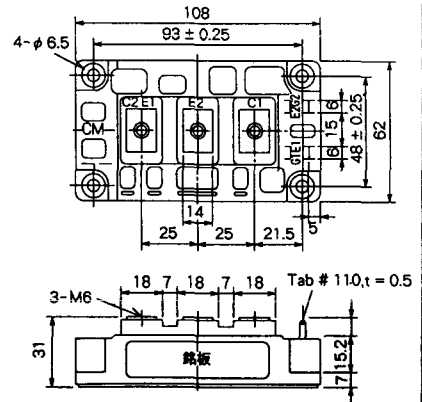
M-4C2B



M-9B1C



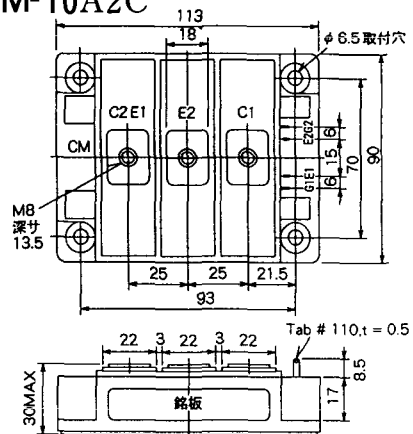
M-9D2A



M-9D2B



M-10A2C



H-101



Weight :480g

TERMINALS

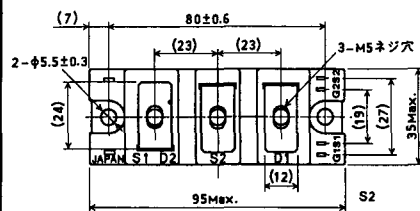
H-201



H-202



LF-J



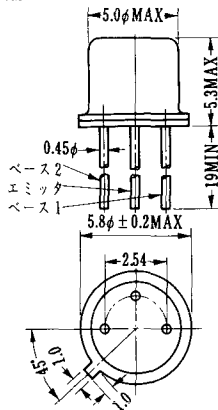
LF-K



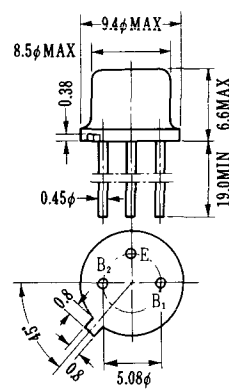
U-1



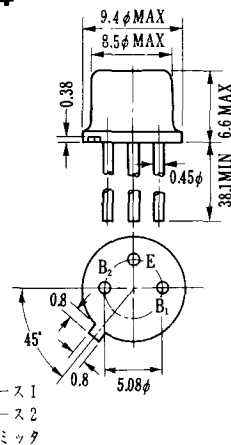
U-2



U-3



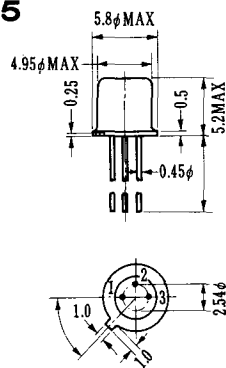
U-4



電極接続

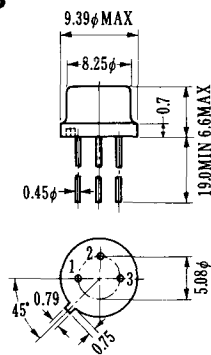
B₁: ベース 1
B₂: ベース 2
E: エミッタ

U-5



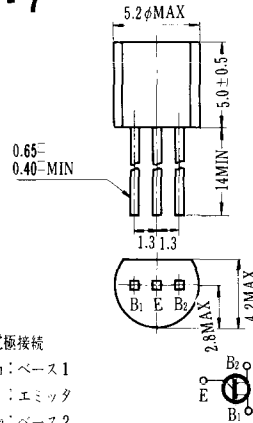
1. BASE 1
2. EMITTER
3. BASE 2 (CASE)

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

