

トランジスタ・モジュール (NPN, 単相/三相ブリッジ)

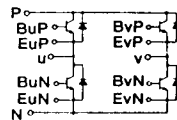
- ダーリントン・トランジスタ4個/6個内蔵
(単相ブリッジ/3相ブリッジ接続)
- フリーホイール・ダイオード付
- 絶縁形
- UL認定品あり

Yellow Card No.: E80276 (N)

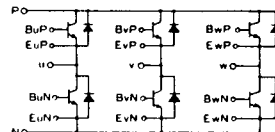
File No.: E80271

■等価回路

BA-1A



TA-1A

注1. $I_C = 1A$, $V_{EB} = 2V$, #印は V_{CEX} ($V_{EB} = 2V$)。

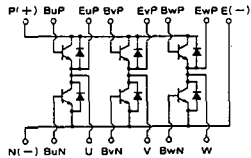
注2. 60Hz, 単相半波1サイクル波高値。

注3. $T_c = 25^\circ C$ 。

注4. AC, 1分間。

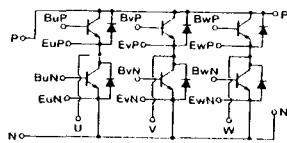
型 名	最 大 定 格 ($T_J = 25^\circ C$)											電 気 的 特 性							
	V_{CBO} (V)	$V_{CEX(SUS)}$ (注1) (V)	V_{EBO} (V)	I_C (A)	I_B (A)	I_F (A)	I_{FM} (注2) (A)	P_C (注3) (W)	T_J ($^\circ C$)	T_{JL} ($^\circ C$)	V_{ISO} (注4) (V)	I_{CEX} (mA)	V_{CE} (V)	V_{EB} (V)	I_{EBO} (mA)	V_{EB} (V)	$V_{CEX(SUS)}$ (V)	I_C (A)	h_{FE}
												最 大			最 大		最 小		最 小
QM20BA-H	600	600	7	20	1.0	20	200	160	150	-40~125	2500	1	600	2	150	7			75/100
QM10TD-H	600	600	7	10	1.0	10	100	83	150	-40~125	2000	1	600	2	100	7			75/100
QM10TE-HB	600	600	7	10	1.0	10	100	73	150	-40~125	2500	1	600	2	40	7			250
QM10KD-HB	600	600	7	10	1.0	10	100	74	150	-40~125	2500	1	600	2	40	7			250
QM15TD-9	500	450	7	15	1.0	15	150	83	150	-40~125	2000	1	500	2	100	7			75/100
QM15TD-9B	500	450	7	15	1.0	15	150	74	150	-40~125	2500	1	500	2	40	7			250
QM15TG-9	500	450	7	15	1.0	15	150	83	150	-40~125	2000	1	500	2	100	7			75/100
QM15TG-9B	500	450	7	15	1.0	15	150	83	150	-40~125	2000	1	500	2	40	7			250
QM15TB-2H	1000	1000	7	15	1.0	15	150	150	150	-40~125	2500	2	1000	2	100	7			75/100
QM15TB-2HB	1000	1000	7	15	1.0	15	150	150	150	-40~125	2500	1	1000	2	50	7			250
QM15TB-24	1200	1200	7	15	1.0	15	150	150	150	-40~125	2500	2	1200	2	100	7			75
QM15TD-H	600	600	7	15	1.0	15	150	100	150	-40~125	2000	1	600	2	100	7			75/100
QM15TD-HB	600	600	7	15	1.0	15	150	75	150	-40~125	2500	1	600	2	40	7			250
QM15KD-HB	600	600	7	15	1.0	15	150	76	150	-40~125	2500	1	600	2	40	7			250
QM20TD-9	500	450	7	20	1.0	20	200	100	150	-40~125	2000	1	500	2	100	7			75/100
QM20TD-9B	500	450	7	20	1.0	20	200	76	150	-40~125	2500	1	500	2	40	7			250
QM20TG-9B	500	450	7	20	1.0	20	200	100	150	-40~125	2000	1	500	2	40	7			250
QM20TD-H	600	600	7	20	1.0	20	200	100	150	-40~125	2000	1	600	2	150	7			75/100

TA-1B



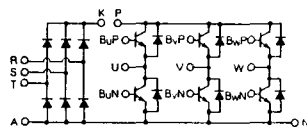
注) トランジスタはすべてダーリントン

TA-1C

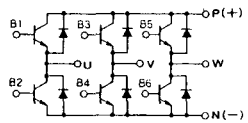


注) トランジスタはすべてダーリントン

KD-1A



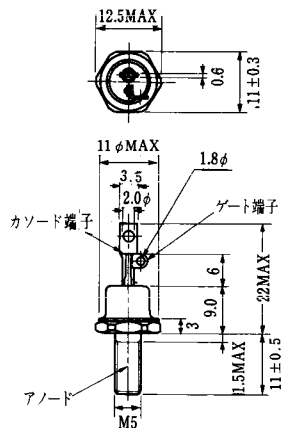
TX 1A



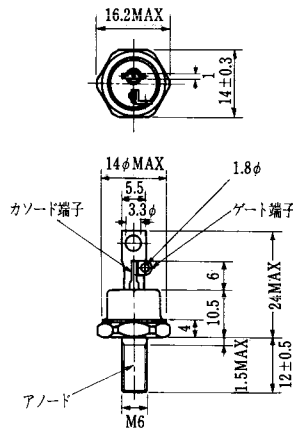
注) トランジスタはすべてダーリントン

(T _J = 25°C)										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}	I _c	V _F (V)	I _F (μs)	t _{rr} (μs)	I _F (A)	V _{BE} (V)	di/dt (A/μs)	θ _{J-C} (°C/W)							
V _{CE}	V _{BE}			t _{on}	t _{off}	t _r											トランジスタ部	ダイオード部						
最大	最大	(A)	(A)	最大	最大	最大	(A)	(A)	(V)	(A)	最大	最大	最大	(A)	(V)	(A/μs)	最大	最大	最大					
2.0	2.5	20	0.28	1.5	12	2.0	0.4	-0.4	300	20	1.5	20					0.8	2.2	BA-1A	M-2D4A	U.L.認定済		QM20BA-H	
2.0	2.5	10	0.13	1.5	10	2.5	0.2	-0.2	300	10	1.5	10					1.5	2.5	TA-1A	M-2G6B	U.L.認定済		QM10TD-H	
2.0	2.5	10	0.04	1.5	10	2.0	0.06	-0.2	300	10	1.5	10					1.7	2.8	TA-1B	M-3D6A	U.L.認定済		QM10TE-HB	
2.0	2.5	10	0.04	1.5	10	2.0	0.06	-0.2	300	10	1.5	10					1.7	2.8	KD-1A	M-3D6B	U.L.認定済		QM10KD-HB	
2.0	2.5	15	0.2	1.5	9.5	2.5	0.3	-0.3	250	15	1.5	15					1.5	2.5	TA-1A	M-2G6B	U.L.認定済		QM15TD-9	
2.0	2.5	15	0.06	1.5	10	2.0	0.09	-0.3	250	15	1.5	15					1.7	2.8	TA-1A	M-2G6A	U.L.認定済		QM15TD-9B	
2.0	2.5	15	0.2	1.5	9.5	2.5	0.3	-0.3	250	15	1.5	15					1.5	2.5	TA-1B	M-2F6A	U.L.認定済		QM15TC-9	
2.0	2.5	15	0.06	1.5	10	2.0	0.09	-0.3	250	15	1.5	15					1.5	2.5	TA-1B	M-2F6A	U.L.認定済		QM15TC-9B	
2.5	3.5	15	0.3	2.5	15	3.0	0.3	-0.3	600	15	1.5	15					0.8	1.2	TA-1A	M-2E6B	U.L.認定済		QM15TB-2H	
3.0	3.5	15	0.06	2.0	10	3.0	0.09	-0.3	600	15	1.8	15					0.8	2.0	TA-1A	M-2E6B	U.L.認定済		QM15TB-2HB	
3.0	3.5	15	0.3	2.5	15	3.0	0.3	-0.3	600	15	1.5	15					0.8	1.2	TA-1A	M-2E6B	U.L.認定済		QM15TB-24	
2.0	2.5	15	0.2	1.5	10	3.0	0.3	-0.3	300	15	1.5	15					1.2	2.5	TA-1A	M-2G6B	U.L.認定済		QM15TD-H	
2.0	2.5	15	0.06	1.5	10	2.0	0.09	-0.3	300	15	1.5	15					1.65	2.8	TA-1A	M-2G6B	U.L.認定済		QM15TD-HB	
2.0	2.5	15	0.06	1.5	10	2.0	0.09	-0.3	300	15	1.5	15					1.65	2.8	KD-1A	M-2E6A	U.L.認定済		QM15KD-HB	
2.0	2.5	20	0.28	1.5	9.5	2.5	0.4	-0.4	250	20	1.5	20					1.2	2.5	TA-1A	M-2G6B	U.L.認定済		QM20TD-9	
2.0	2.5	20	0.08	2.0	10	2.0	0.12	-0.4	250	20	1.5	20					1.65	2.8	TA-1A	M-2G6A	U.L.認定済		QM20TD-9B	
2.0	2.5	20	0.08	2.0	10	2.0	0.12	-0.4	250	20	1.5	20					1.25	2.5	TA-1B	M-2F6A	U.L.認定済		QM20TC-9B	
2.0	2.5	20	0.28	1.5	12	2.0	0.4	-0.4	300	20	1.5	20					1.2	2.2	TA-1A	M-2G6B	U.L.認定済		QM20TD-H	

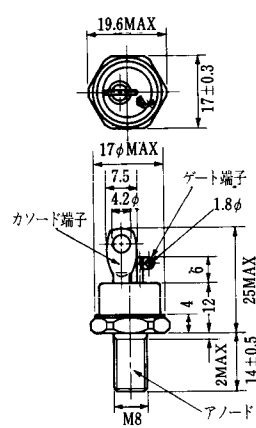
FD-1



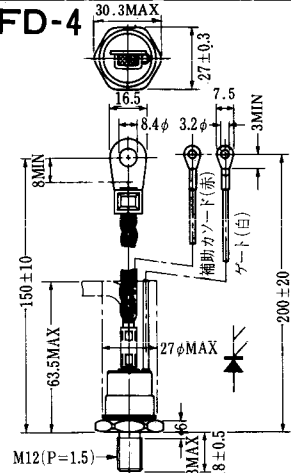
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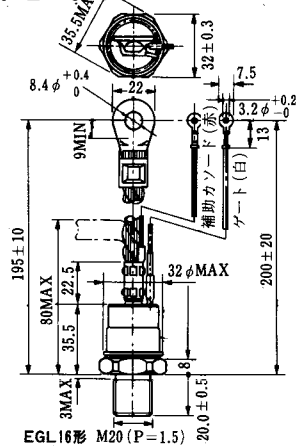
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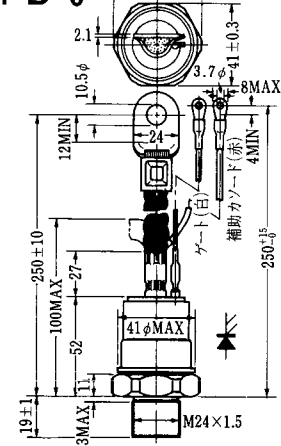
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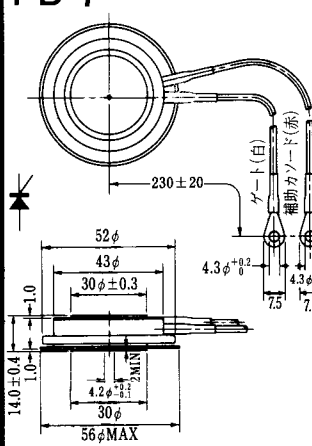
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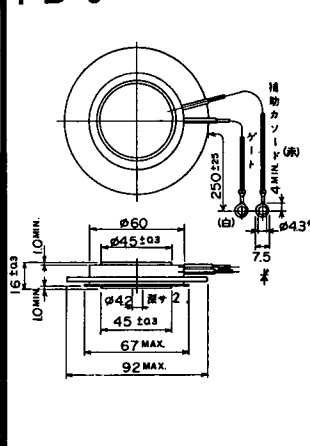
FD-6



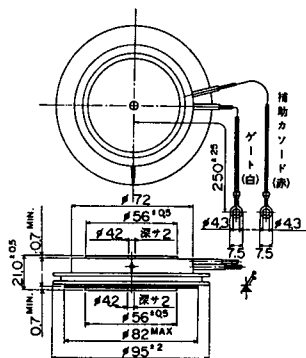
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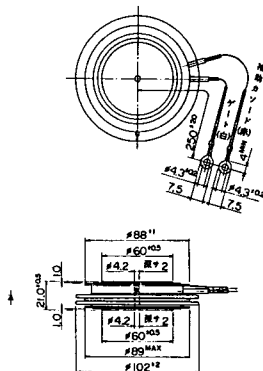
FD-8



FD-9



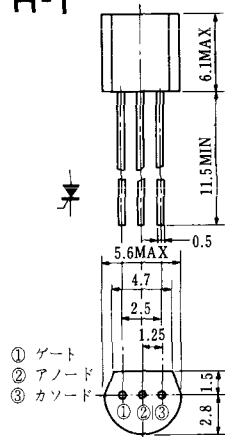
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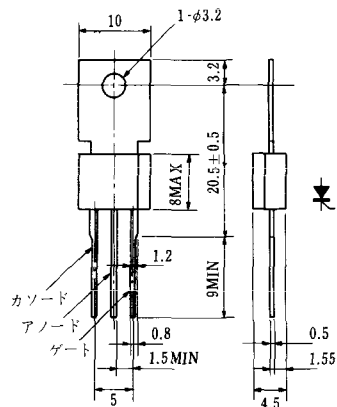
FD-11

FD-12

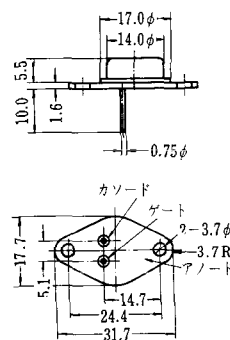
H-1



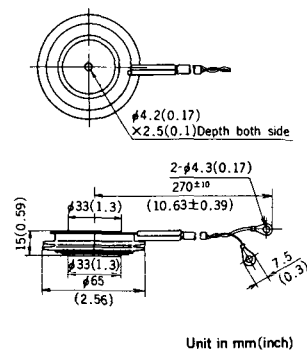
H-2



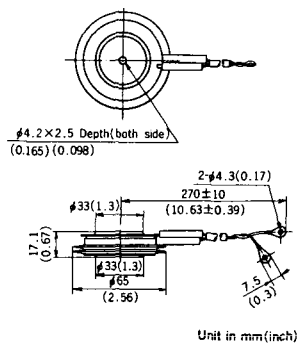
H-3



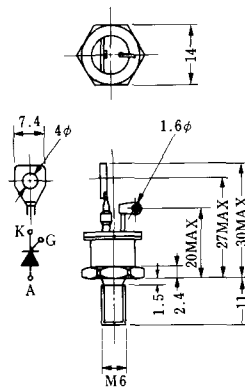
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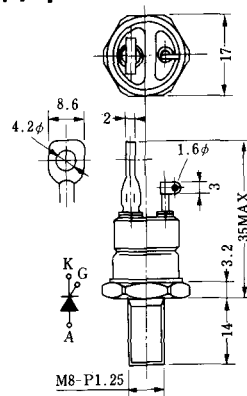
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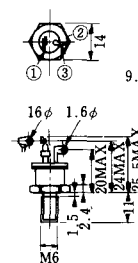
H-6



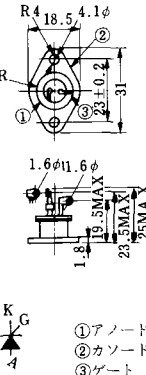
H-7



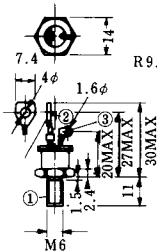
H-8A



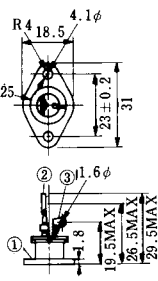
H-8B



H-9A

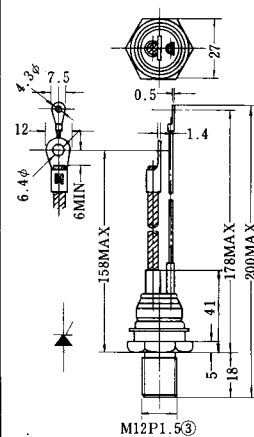


H-9B

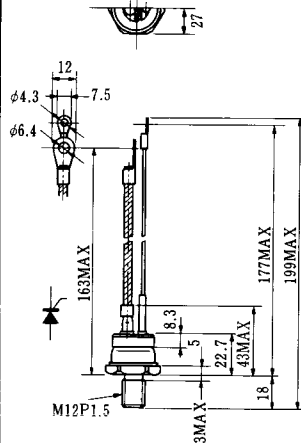


- ① アノード
- ② カソード
- ③ ゲート

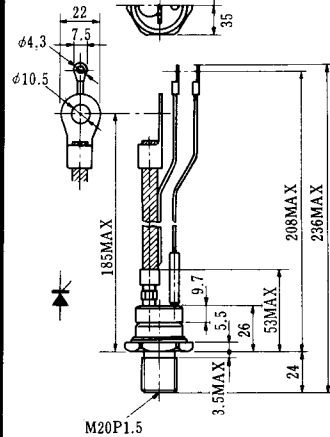
H-10



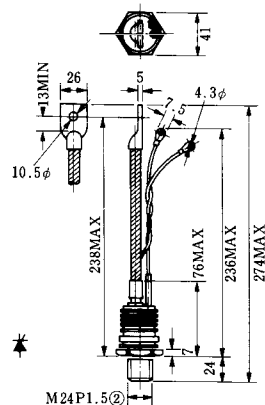
H-11



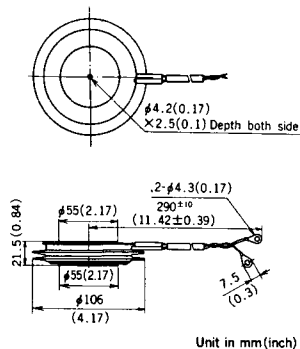
H-12



H-13

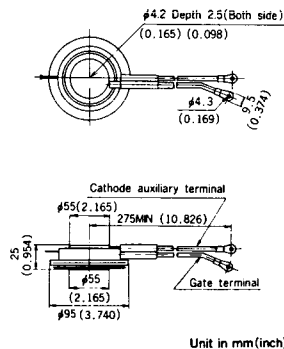


H-14



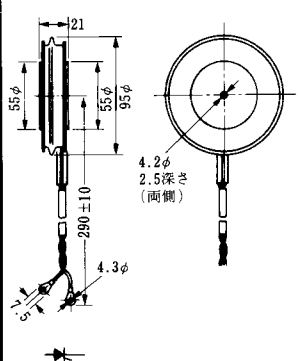
Unit in mm (inch)

H-15

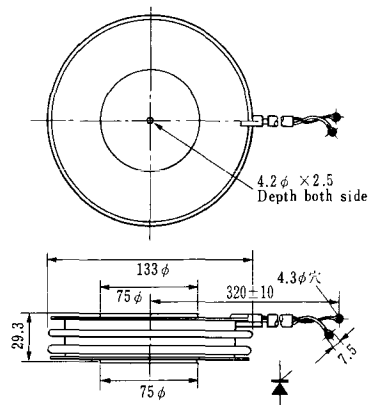


Unit in mm (inch)

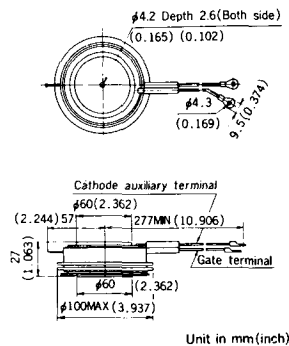
H-16



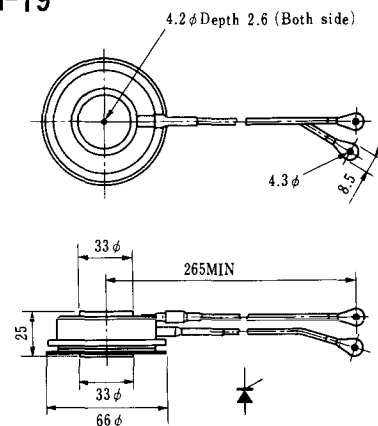
H-17



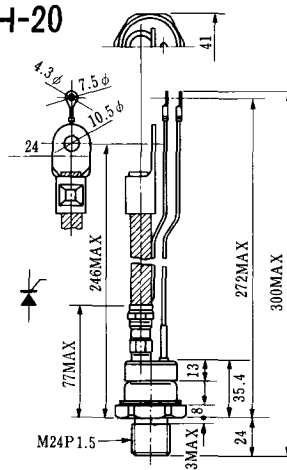
H-18



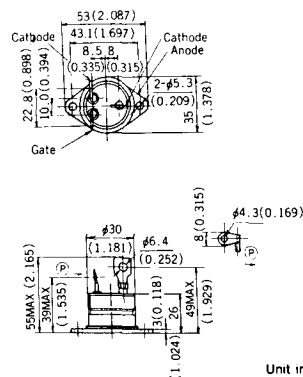
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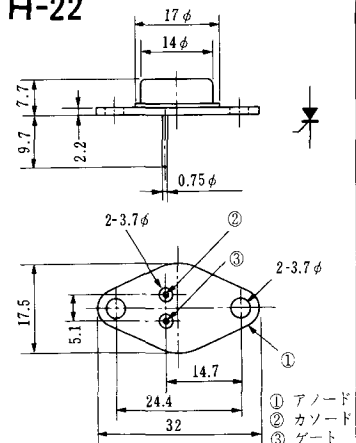
H-20



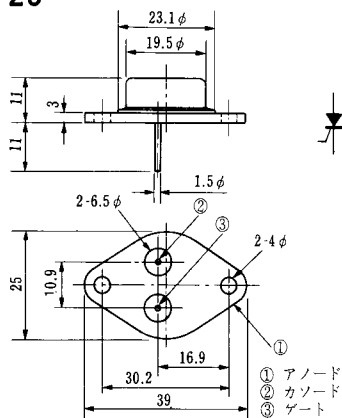
H-21



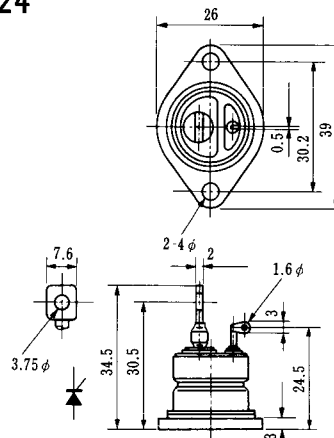
H-22



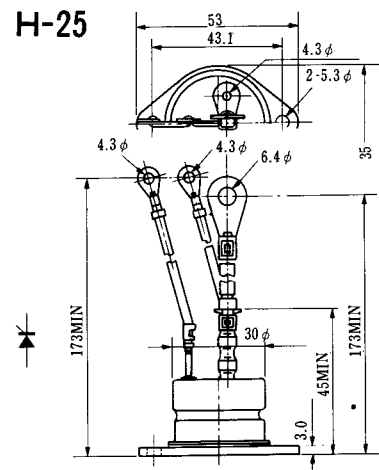
H-23



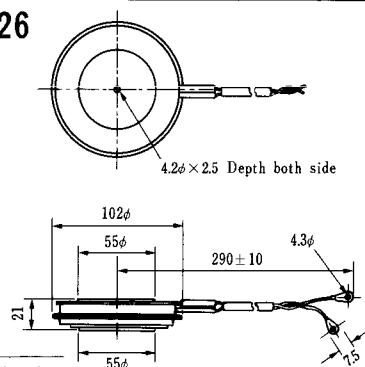
H-24



H-25

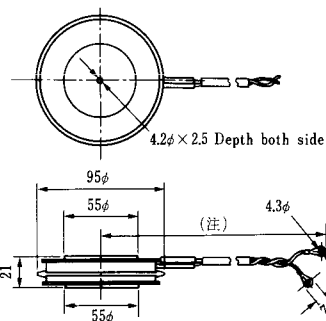


H-26



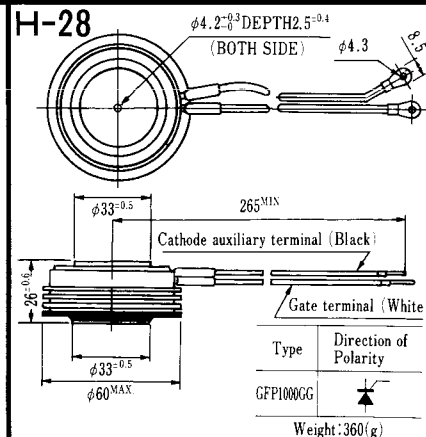
Type	Direction of polarity
CA12	

H-27



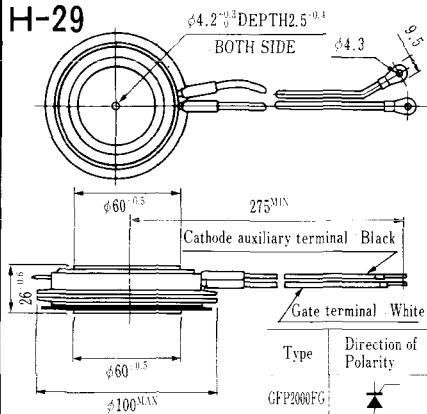
Type	Direction of polarity
CF11V	

H-28



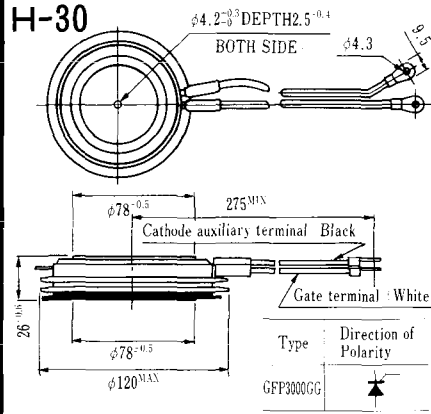
Note: The thickness is a dimension in press at the rated mounting force.

H-29



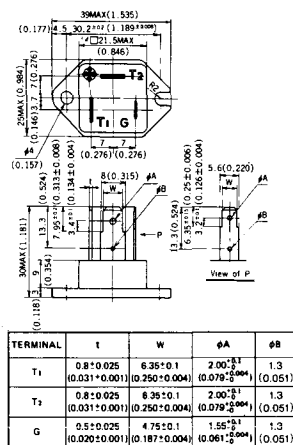
Note : The thickness is a dimension in press at the rated mounting force.

H-30



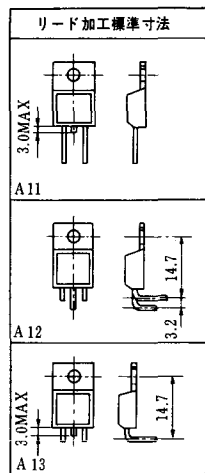
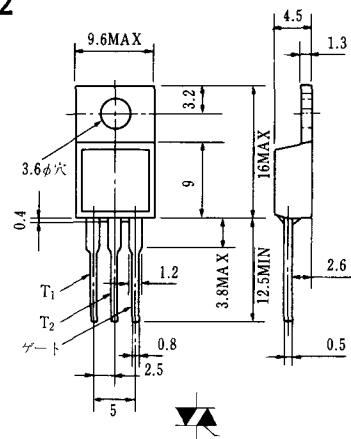
Note : The thickness is a dimension in press at the rated mounting force.

HT-1

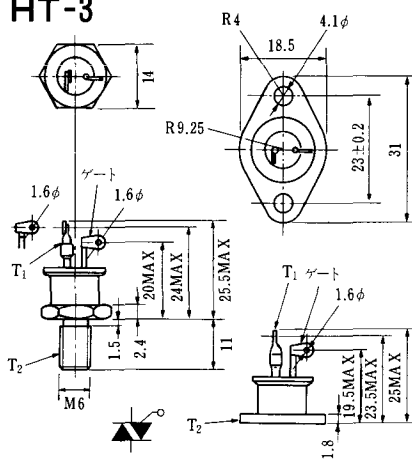


Unit in mm (inch)

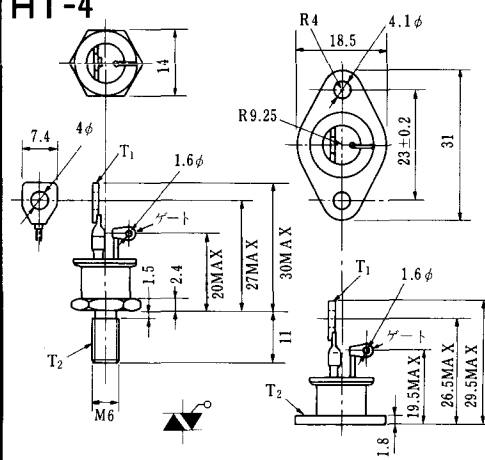
HT-2



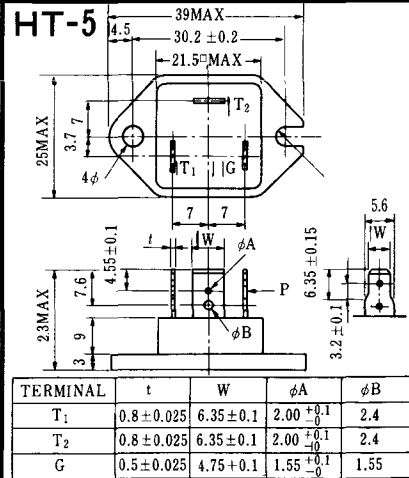
HT-3



HT-4

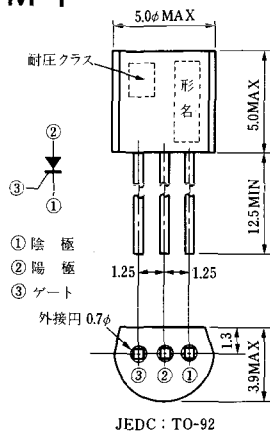


HT-5

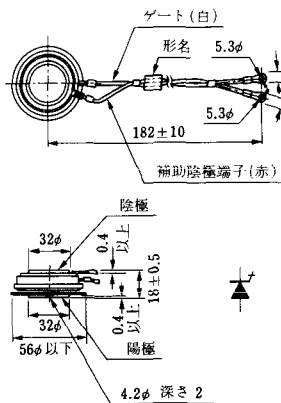


《寸法図単位：mm》

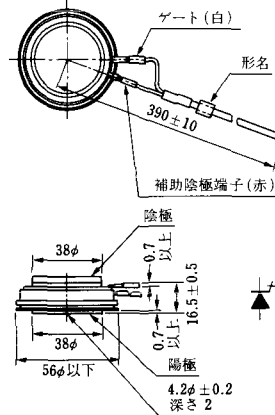
M-1



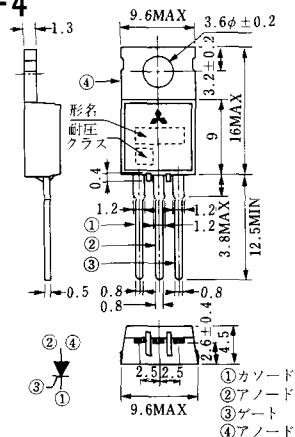
M-2



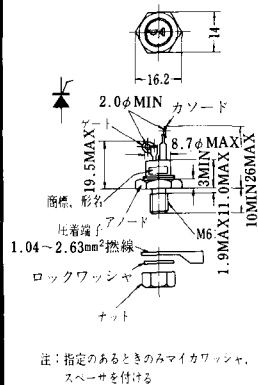
M-3



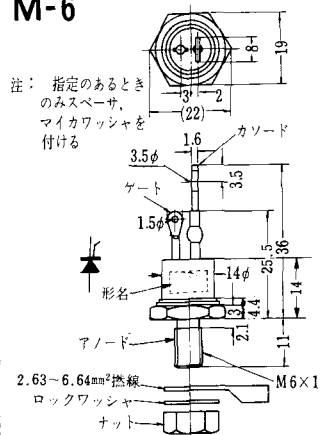
M-4



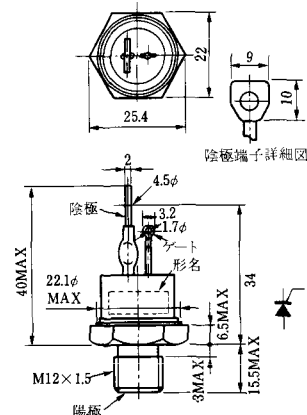
M-5



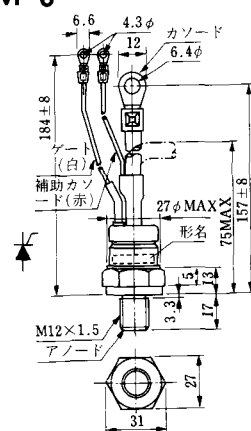
M-6



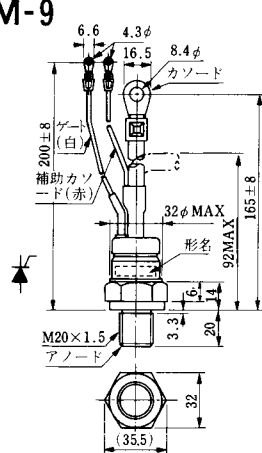
M-7



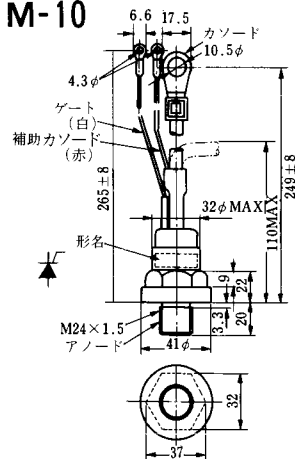
M-8



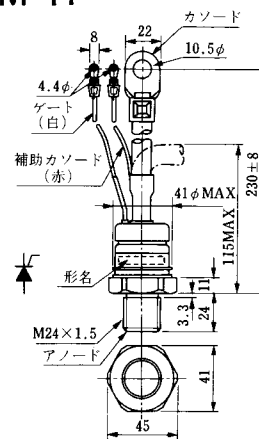
M-9



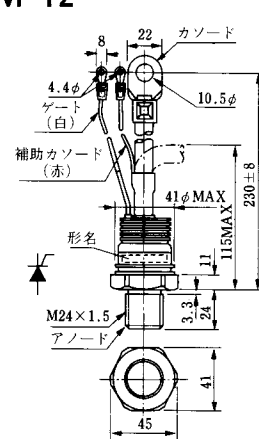
M-10



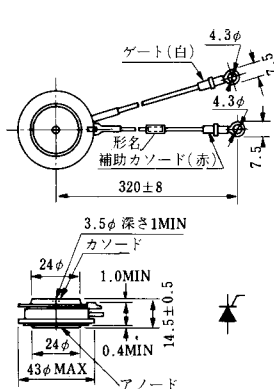
M-11



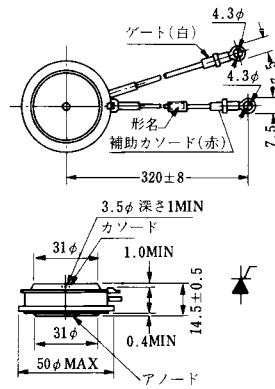
M-12



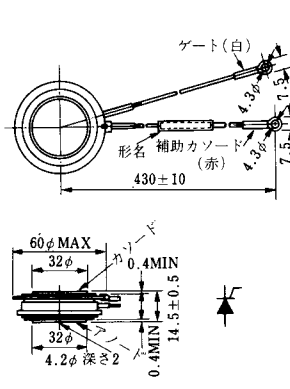
M-13



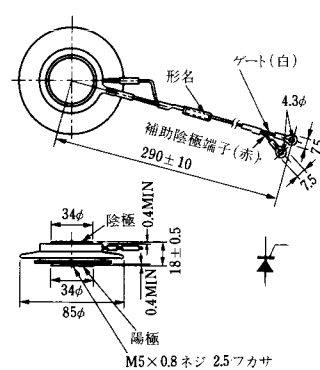
M-14



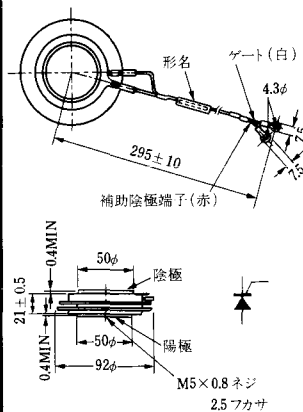
M-15



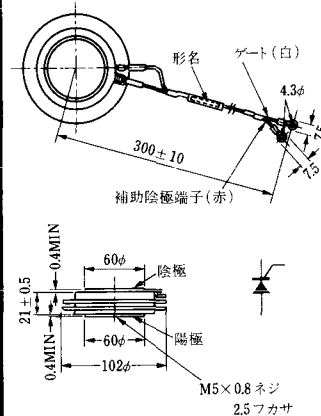
M-16



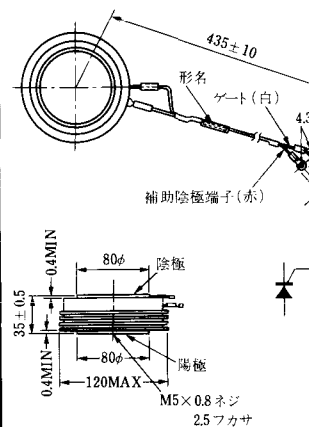
M-17



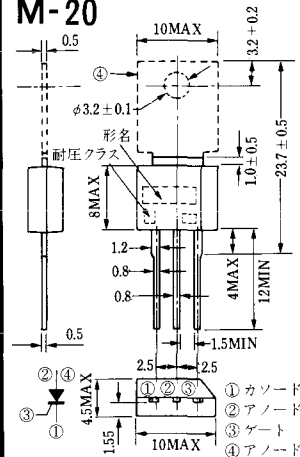
M-18



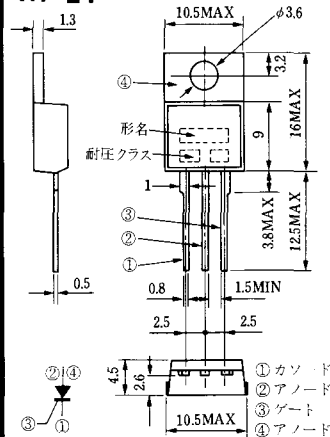
M-19



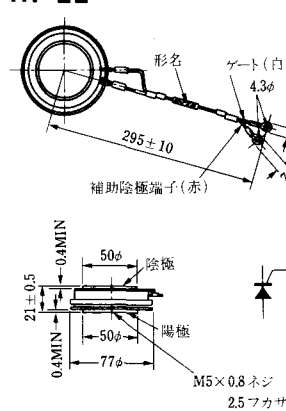
M-20



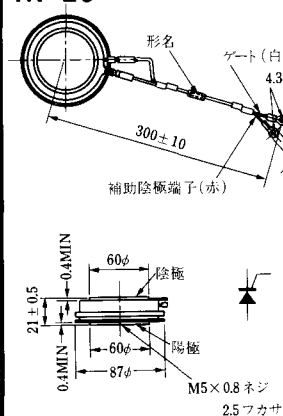
M-21



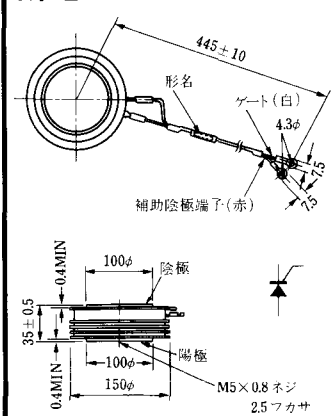
M-22



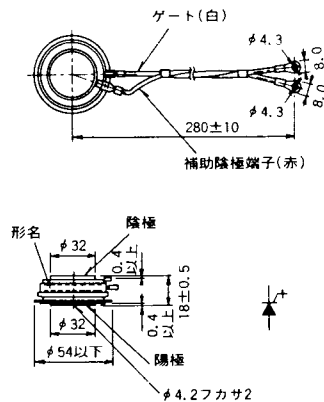
M-23



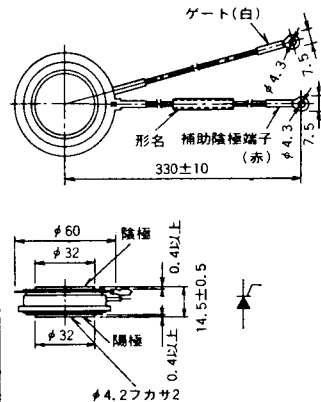
M-24



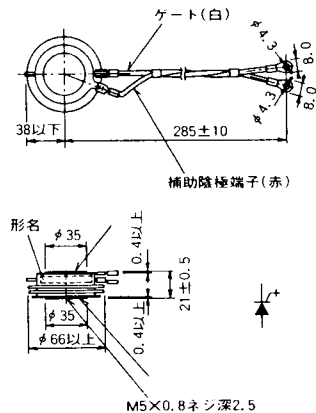
M-25



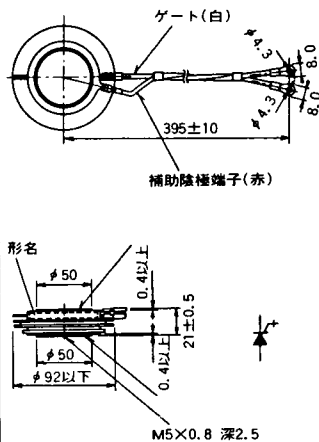
M-26



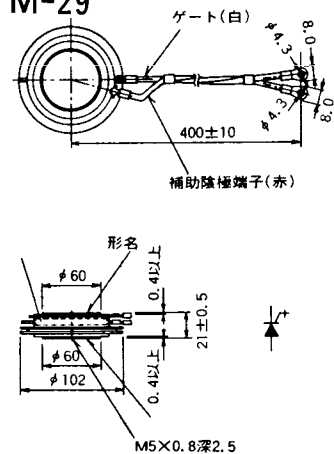
M-27



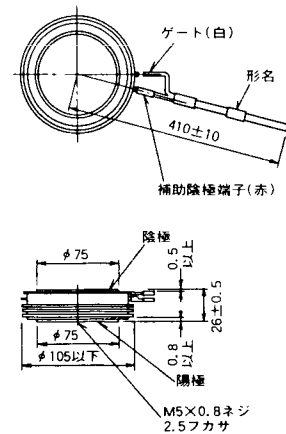
M-28



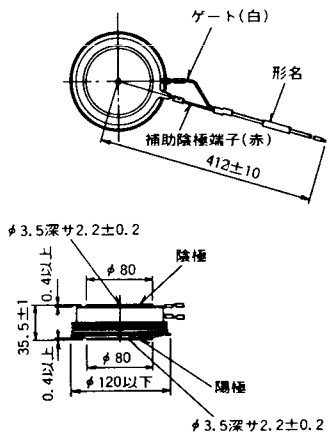
M-29



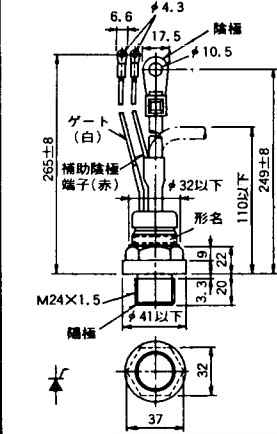
M-30



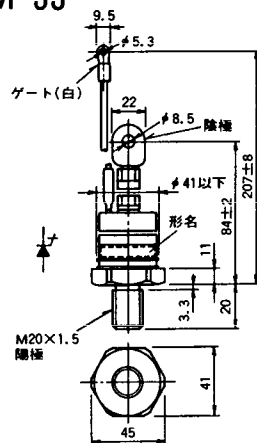
M-31



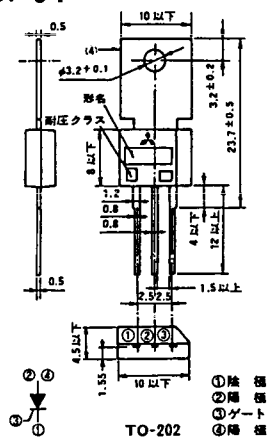
M-32



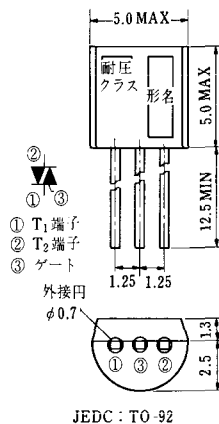
M-33



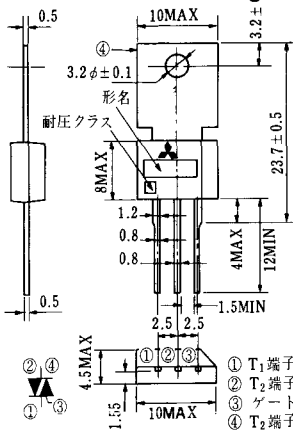
M-34



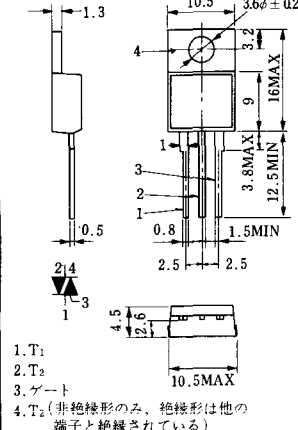
MT-1



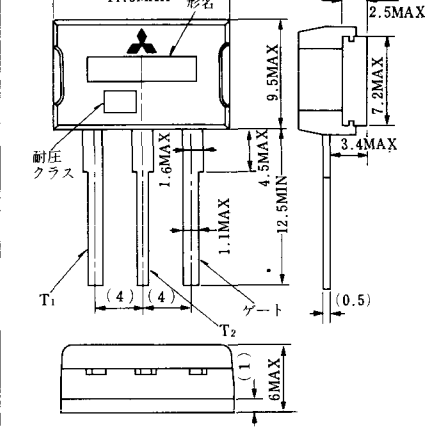
MT-2



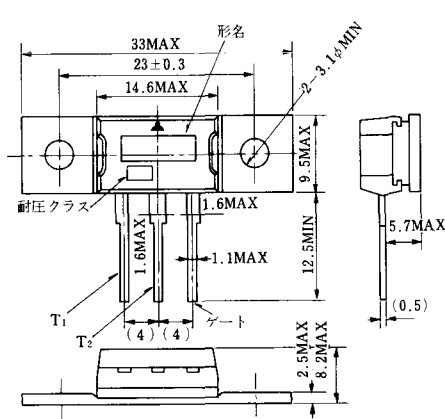
MT-3



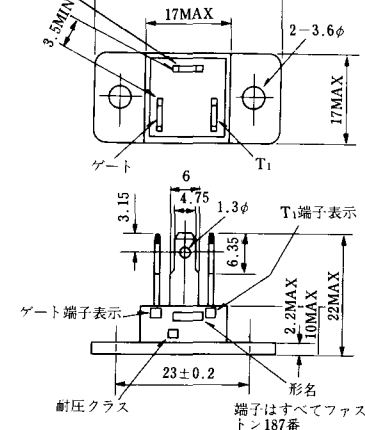
MT-4



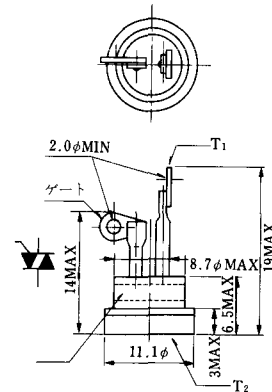
MT-5



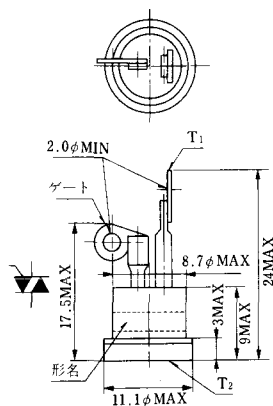
MT-6



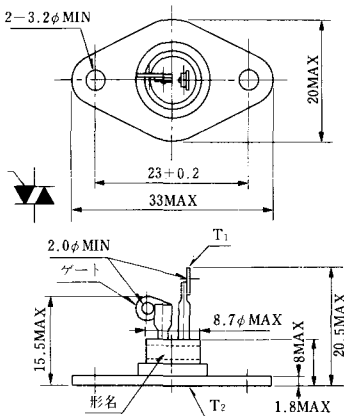
MT-7



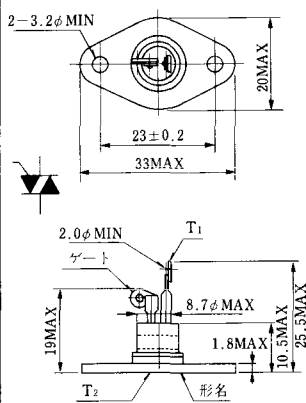
MT-8



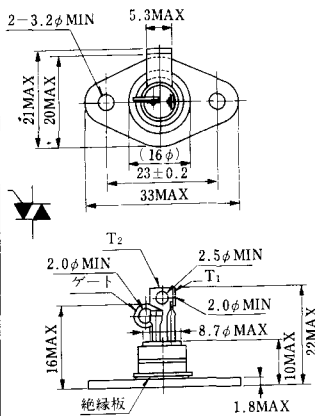
MT-9



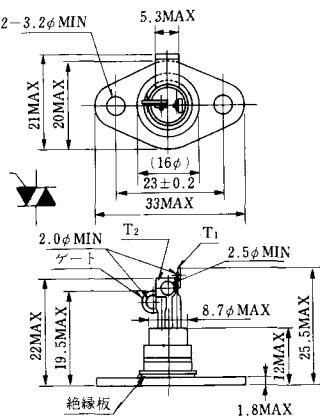
MT-10



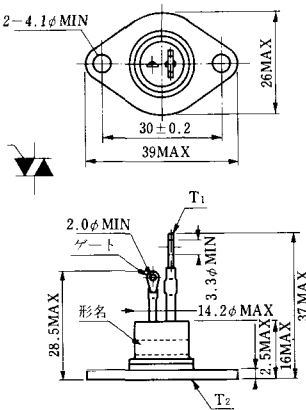
MT-11



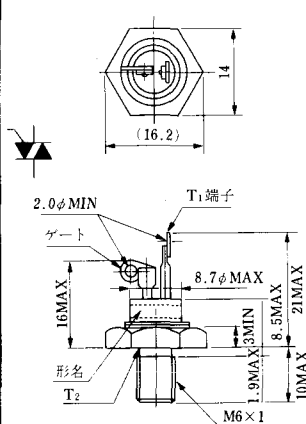
MT-12



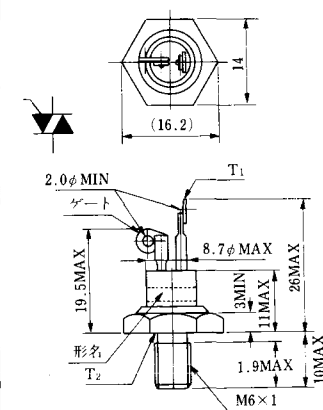
MT-13



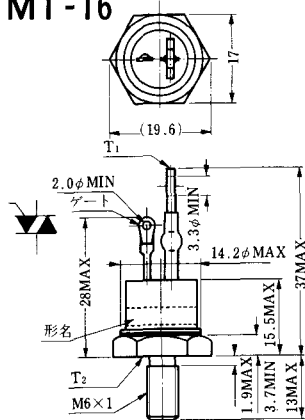
MT-14



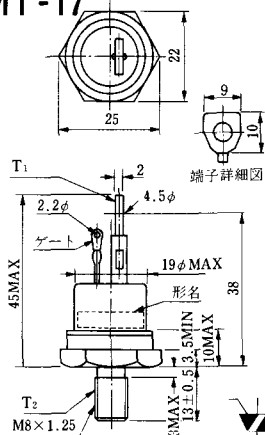
MT-15



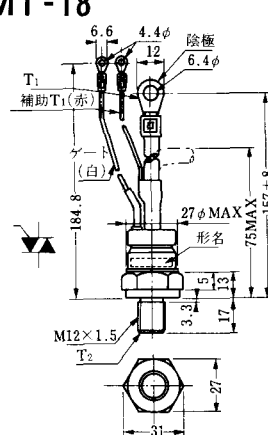
MT-16



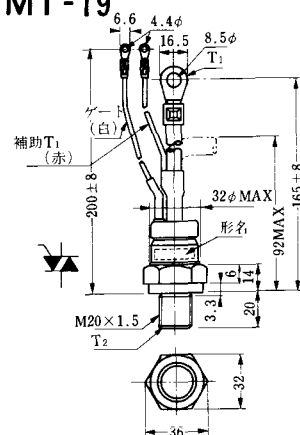
MT-17



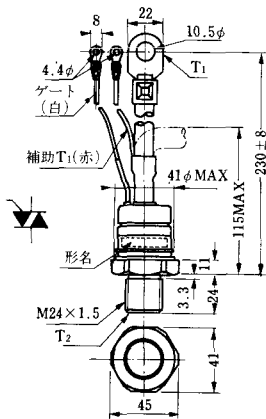
MT-18



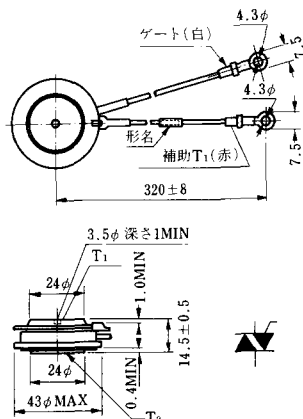
MT-19



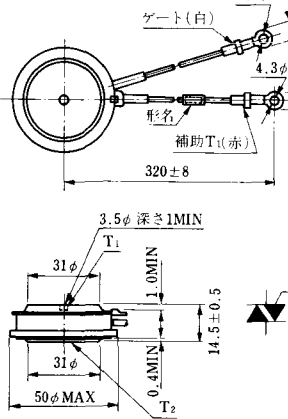
MT-20



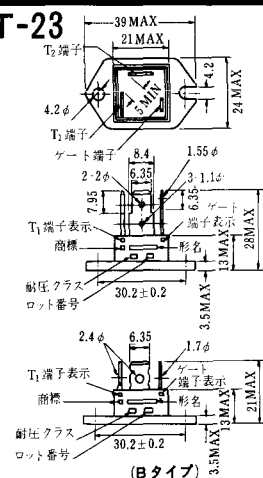
MT-21



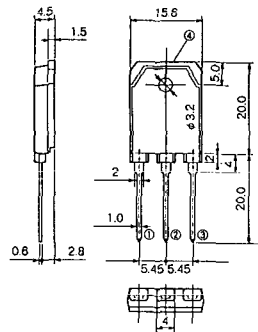
MT-22



MT-23



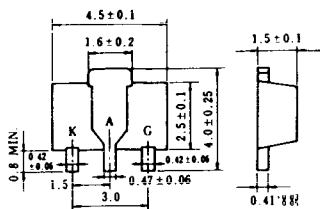
MT-24



TO-3P

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

N-9



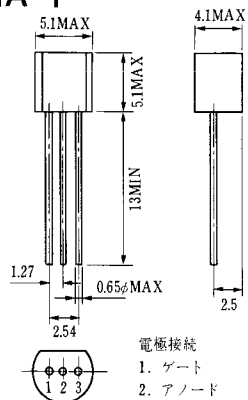
電機機械

K : カット

A : アノード

G : ゲート

NA-1

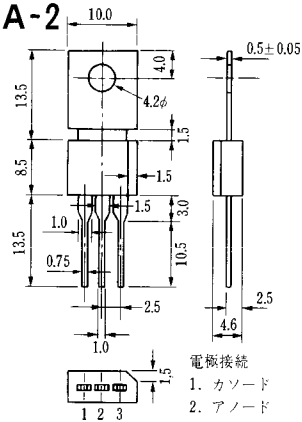


電極接続

1. ゲート
2. アノード
3. カソード

JEDEC: TO-92

NA-2



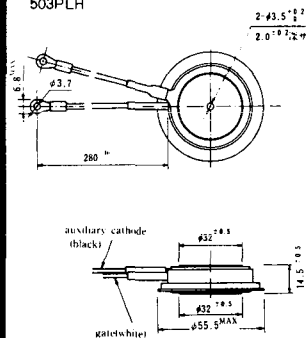
電極接続

1. カソード
2. アノード
3. ゲート

JEDEC: TO-202AA

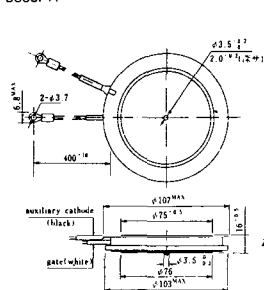
NI-16

503PLF
503PLH



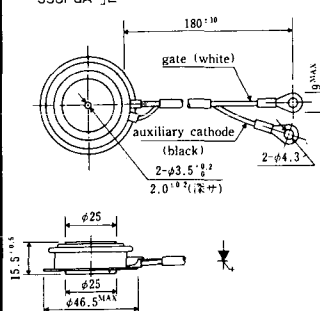
NI-17

3003PA



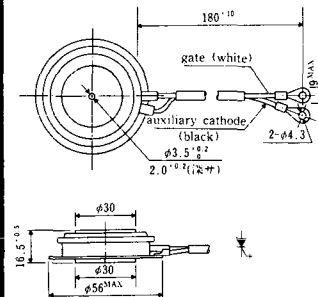
NI-18

353PGA「E



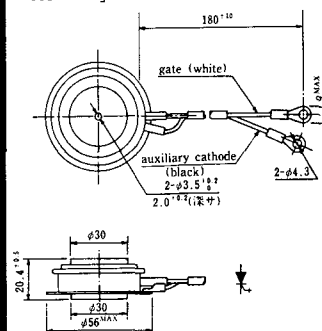
NI-19

603PGA, 603PGA「A, 803PGA



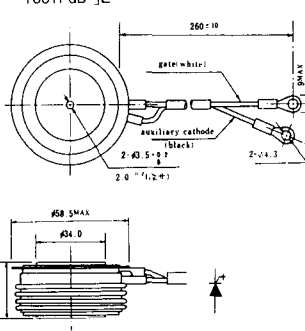
NI-20

603PGA「E



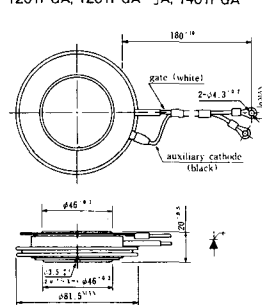
NI-21

1001PGB「E



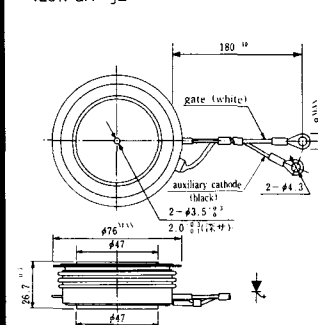
NI-22

1201PGA, 1201PGA「A, 1401PGA



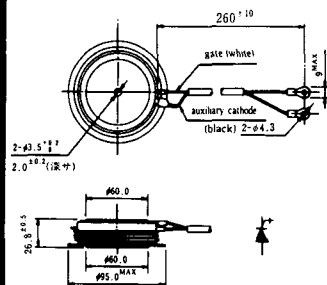
NI-23

1201PGA「E



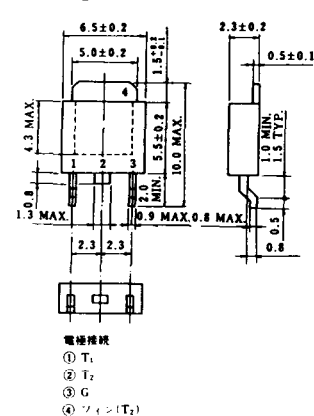
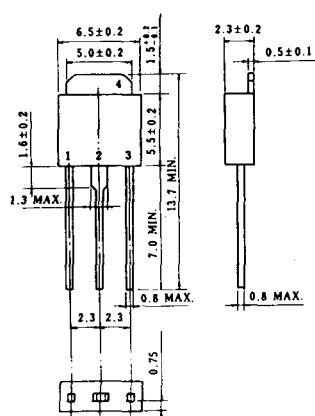
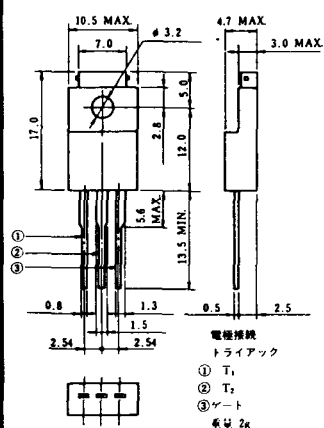
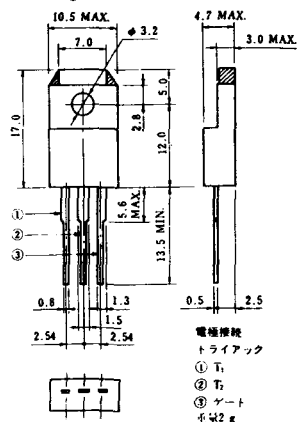
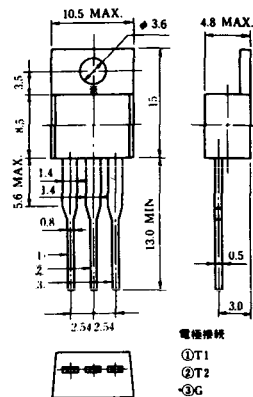
NI-24

2001PGB^r JE

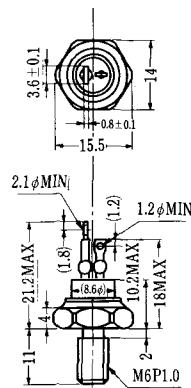


NI-25

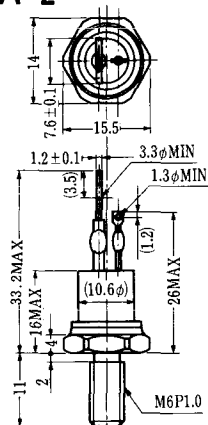
NI-26



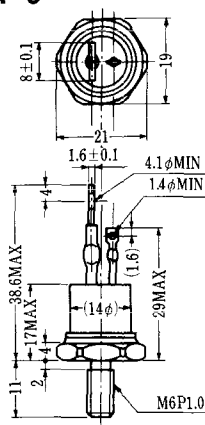
SA-1



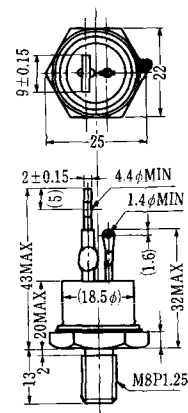
SA-2



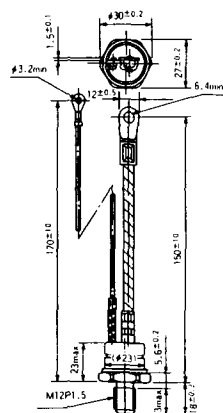
SA-3



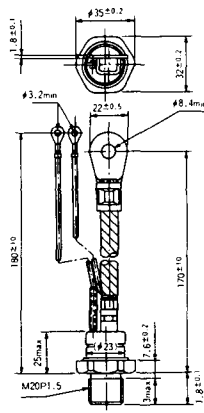
SA-4



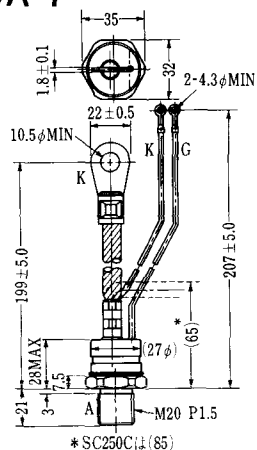
SA-5



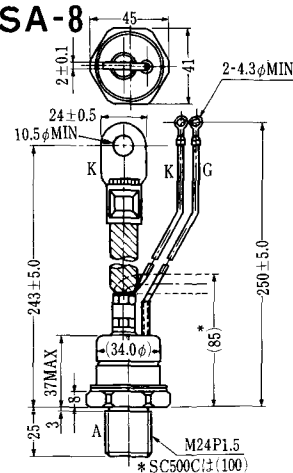
SA-6



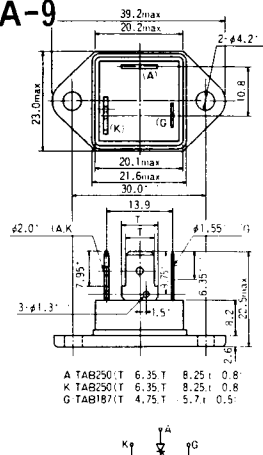
SA-7



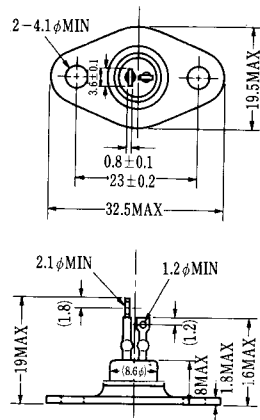
SA-8



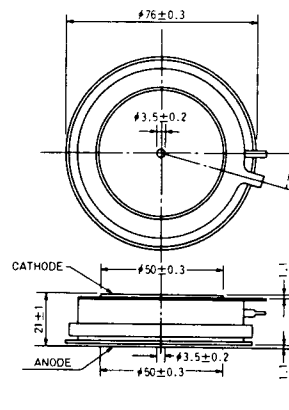
SA-9



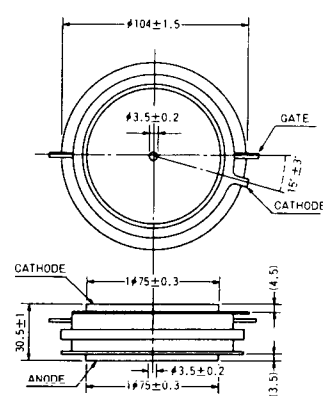
SA-10



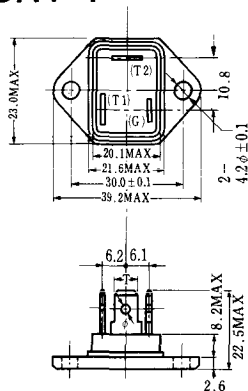
SA-11



SA-12

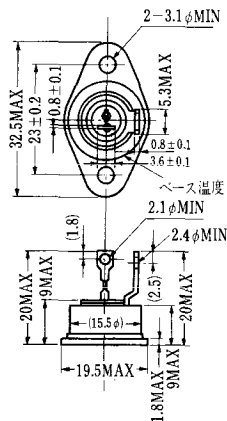


SAT-1

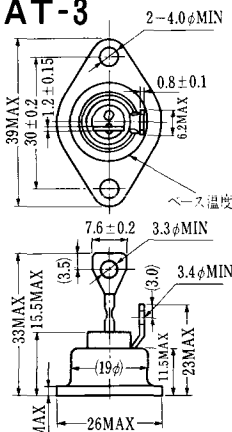


T1端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
T2端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
G端子:ファストン187($T=4.75$, $t=0.5$, $\phi=1.3$)

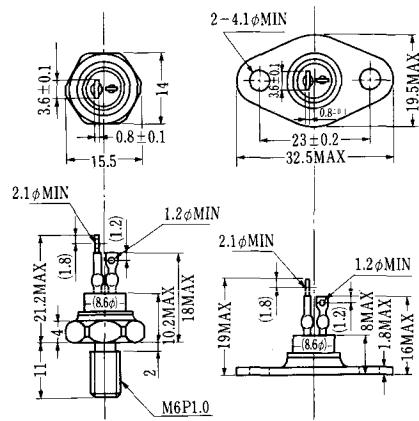
SAT-2



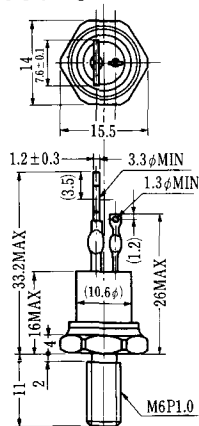
SAT-3



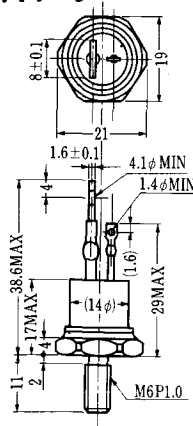
SAT-4



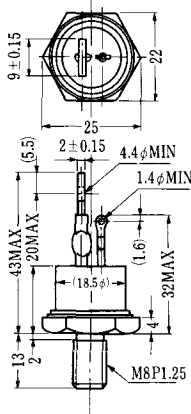
SAT-5



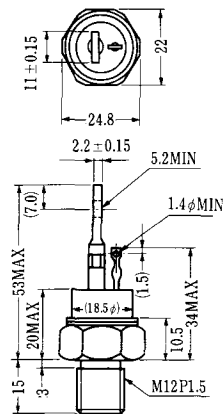
SAT-6



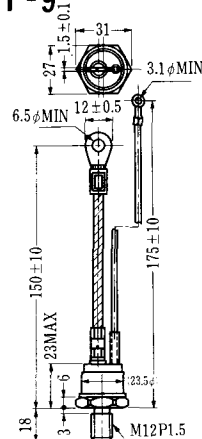
SAT-7



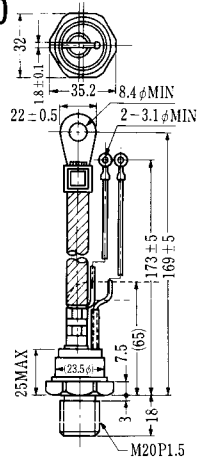
SAT-8



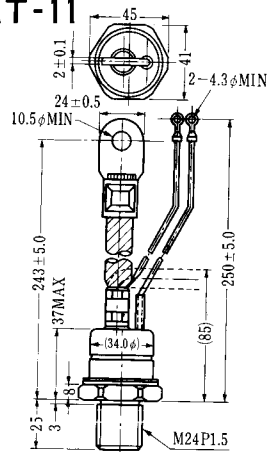
SAT-9.



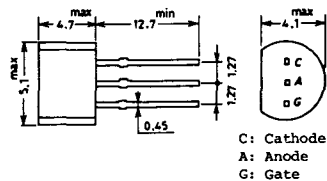
SAT-10



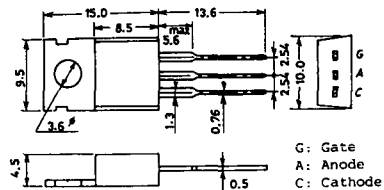
SAT-11



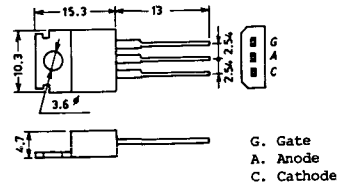
SY-1(1096A)



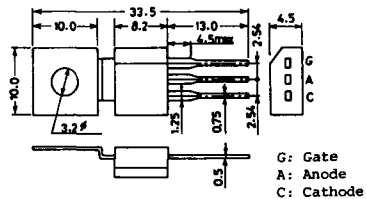
SY-2(1151)



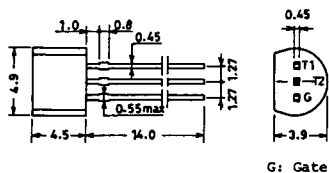
SY-3(1104)



SY-4(1150)

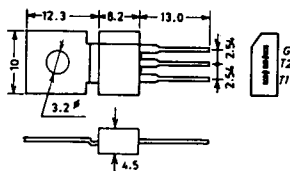


1097A

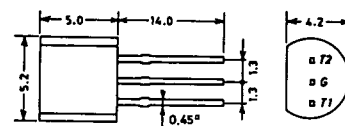


G: Gate

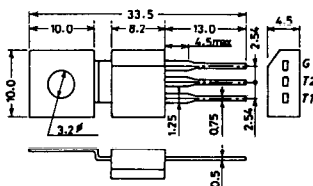
1102



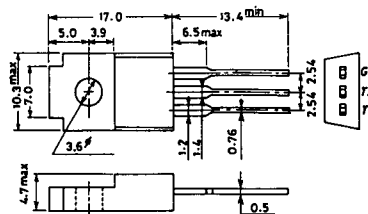
1141



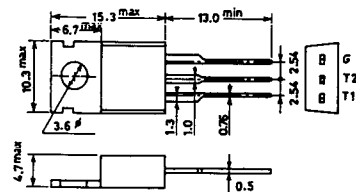
1142



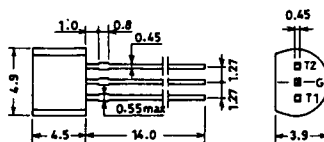
1144



1155

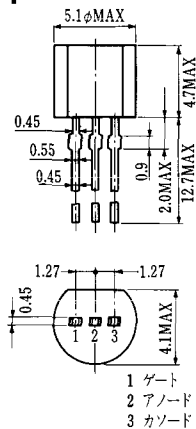


1192A

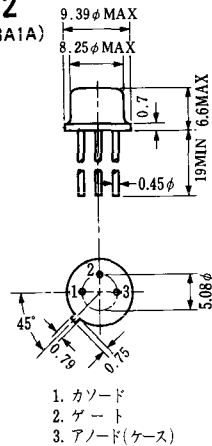


G: Gate

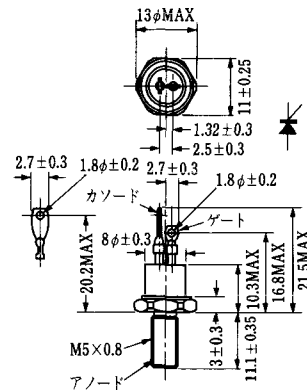
T-1 (13-5A1A)



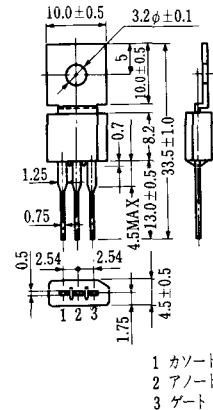
T-2 (13-8A1A)



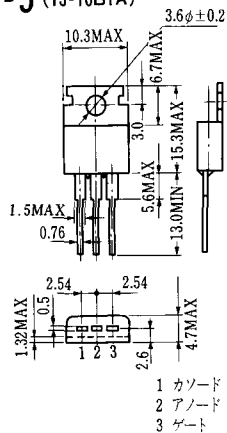
T-3 (13-8C1A)



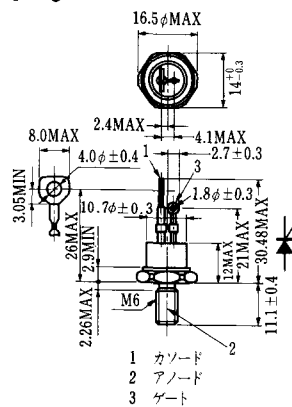
T-4 (13-10A1A)



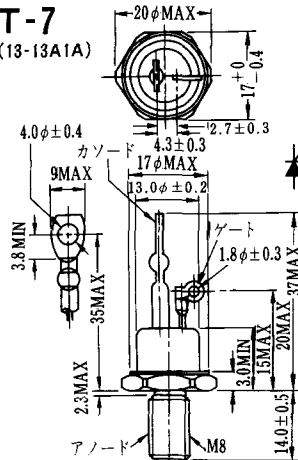
T-5 (13-10B1A)



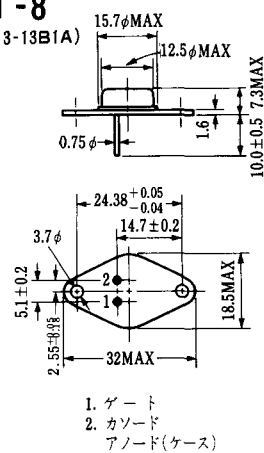
T-6 (13-11D1A)



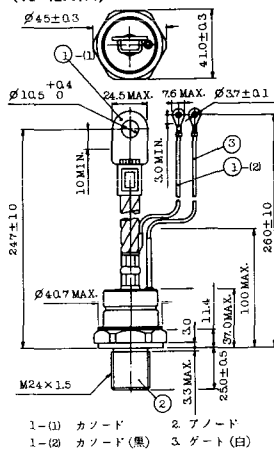
T-7 (13-13A1A)



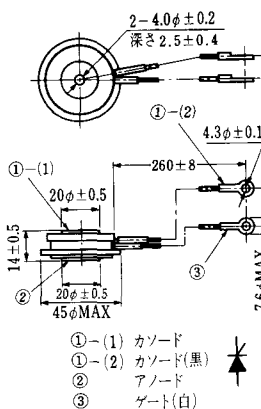
T-8 (13-13B1A)



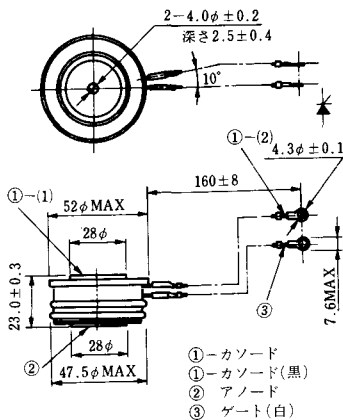
T-17 (13-42A1A)



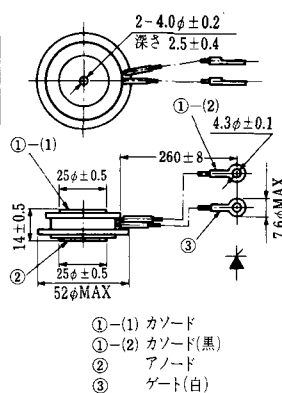
T-18 (13-45D1A)



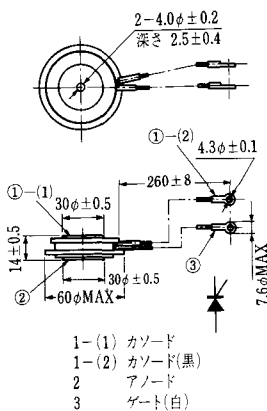
T-19 (13-52B1A)



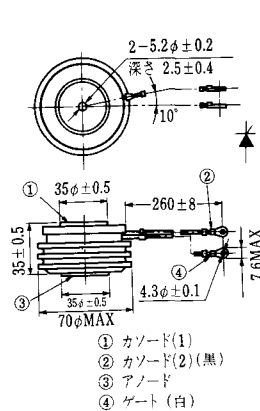
T-20 (13-52C1A)



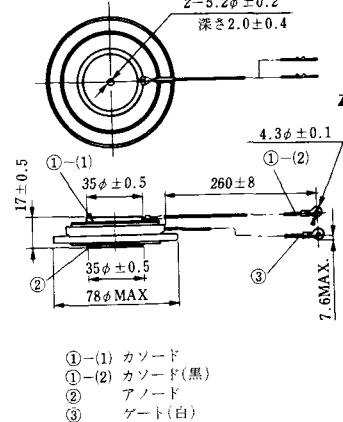
T-21 (13-60A1A)



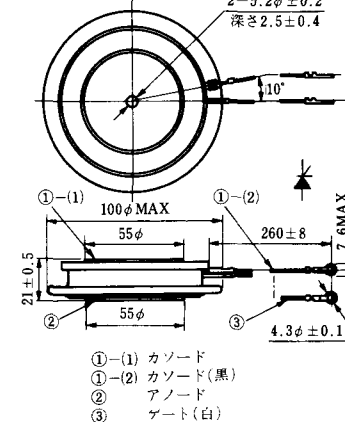
T-22 (13-70C1A)



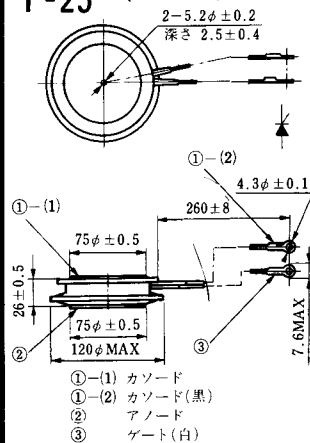
T-23 (13-78A1A)



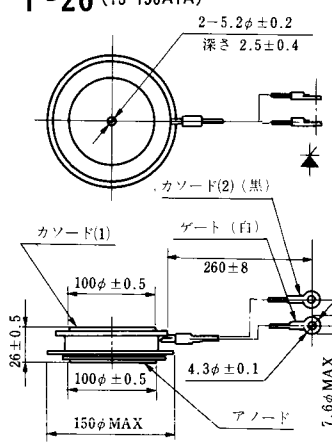
T-24 (13-100C1A)



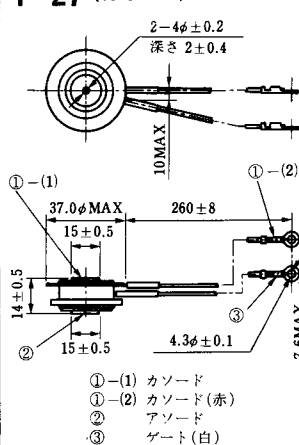
T-25 (13-120A2A)



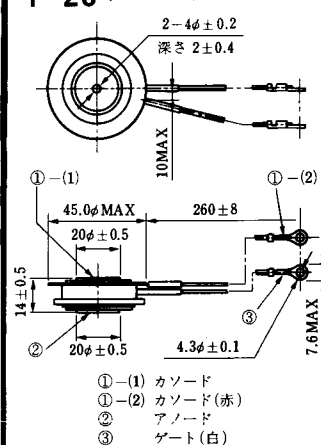
T-26 (13-150A1A)



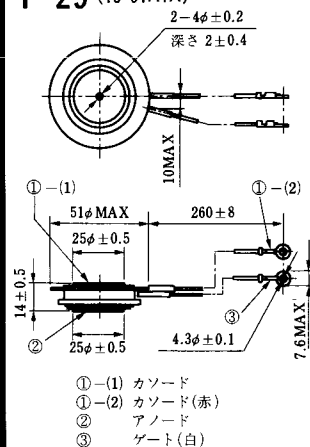
T-27 (13-37A1A)



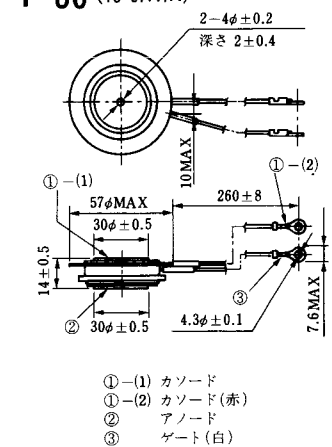
T-28 (13-45E1A)



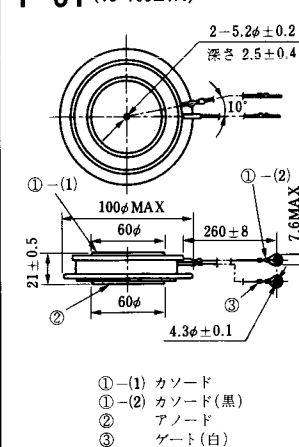
T-29 (13-51A1A)



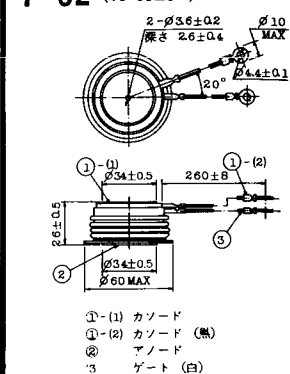
T-30 (13-57A1A)



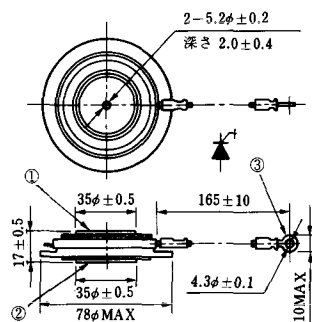
T-31 (13-100E1A)



T-32 (13-60E3A)

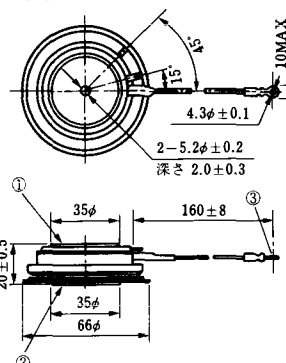


T-33 (13-78B1A)



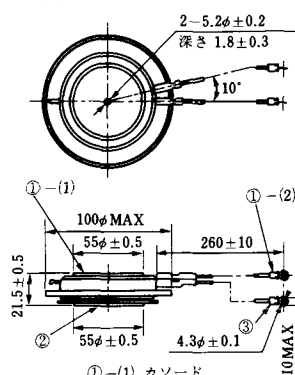
- ① カソード
② アノード
③ ゲート

T-34 (13-66A1A)



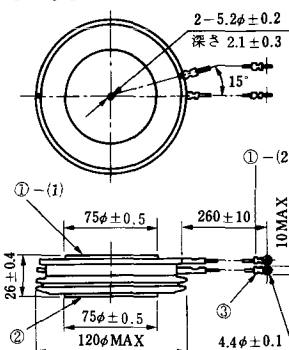
- ① カソード
② アノード
③ ゲート

T-35 (13-100D1A)



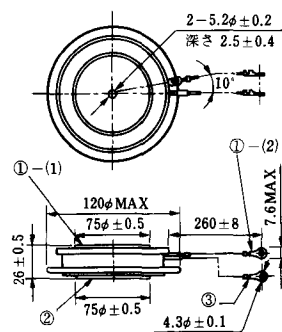
- ①-(1) カソード
①-(2) カソード(黒)
② アノード
③ ゲート(白)

T-36 (13-120E1A)



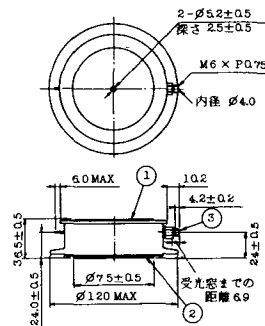
- ①-(1) カソード
①-(2) カソード(黒)
② アノード
③ ゲート(白)

T-37 (13-120A1A)



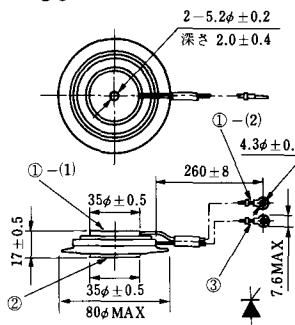
- ①-(1) カソード
①-(2) カソード(黒)
② アノード
③ ゲート(白)

T-38 (13-120C1A)



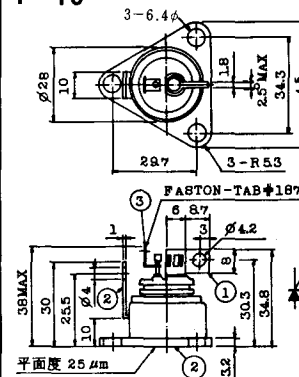
- ① カソード
② アノード
③ ゲート

T-39 (13-80B1A)



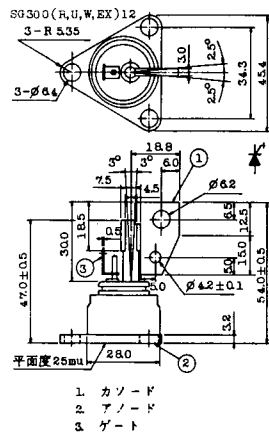
- ①-(1) カソード
①-(2) カソード(黒)
② アノード
③ ゲート(白)

T-40 (13-28A1A)

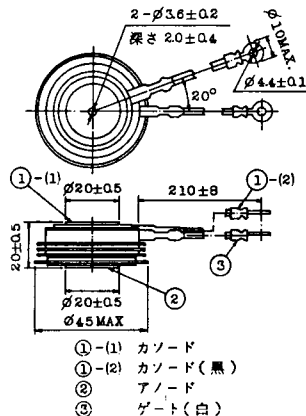


1. カソード
2. アノード
3. ゲート

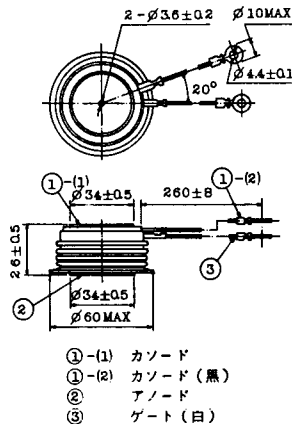
T-41 (13-28A2A)



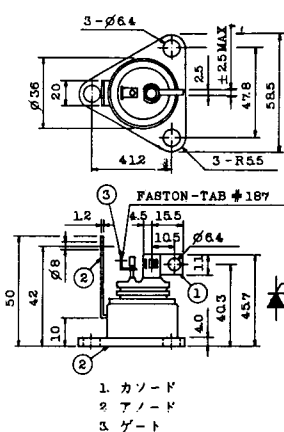
T-42 (13-45F1A)



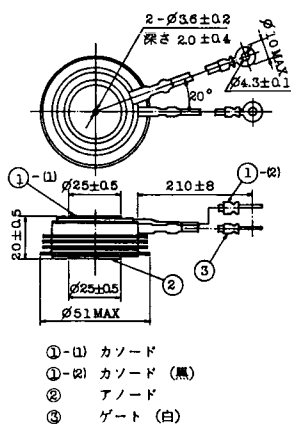
T-43 (13-60E2A)



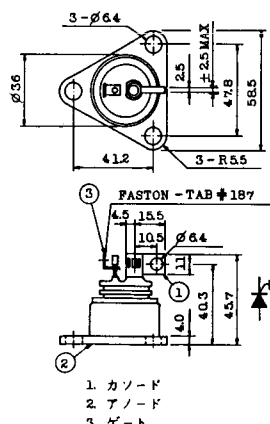
T-44 (13-36A1A)



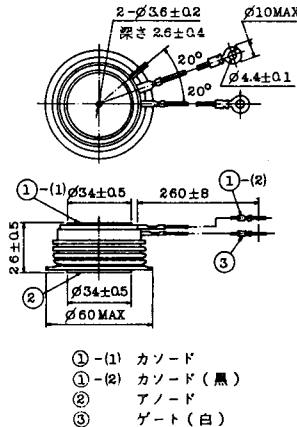
T-45 (13-51B1A)



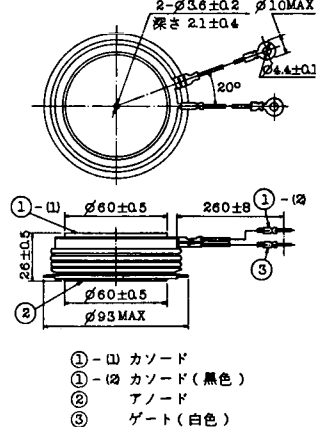
T-46 (13-36B1A)



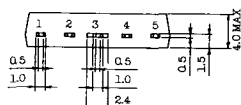
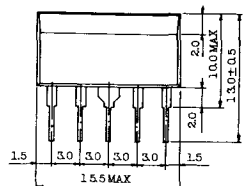
T-47 (13-60E1A)



T-48 (13-93C1A)

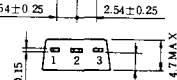
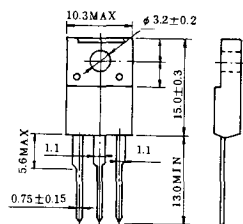


T-57 (12-16C1A)



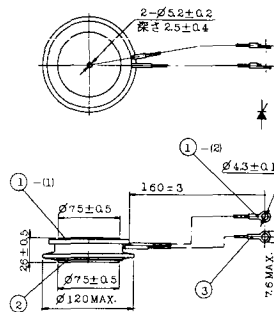
1. アノード (主)
2. ゲート (主)
3. カソード (共通)
4. ゲート (補助)
5. アノード (補助)

T-58 (13-10H1B)



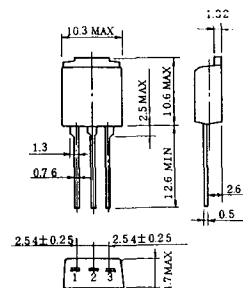
1. カソード
2. アノード
3. ゲート

T-59 (13-120A1A)



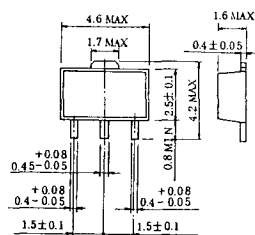
- 1-11 カソード
- 1-12 カソード (黒)
- 2 アノード
- 3 ゲート (白)

T-60



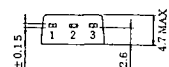
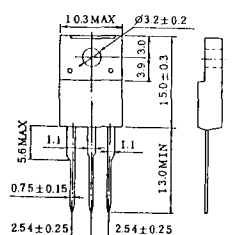
1. カソード
2. アノード
3. ゲート

T-61 (13-5B1A)



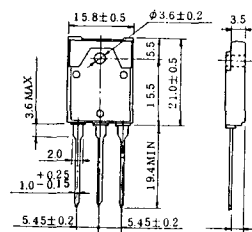
1. ゲート
2. アノード
3. カソード

T-62 (13-10H1A)



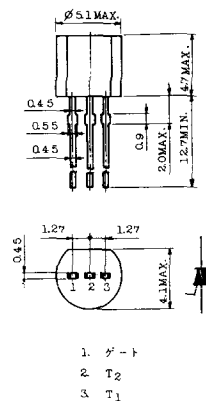
1. カソード
2. アノード
3. ゲート

T-63 (13-16A1B)

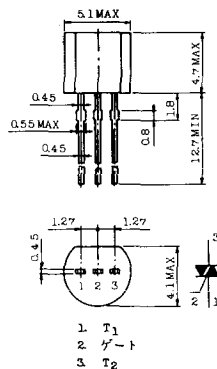


1. カソード
2. アノード
3. ゲート

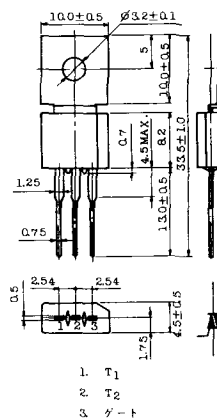
TT-1



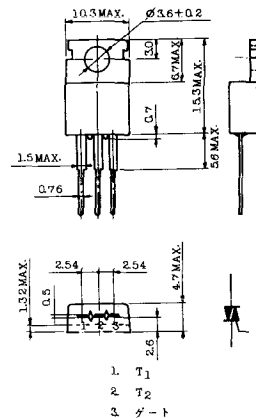
TT-2



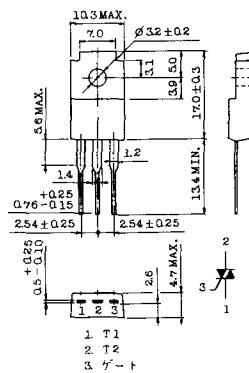
TT-3



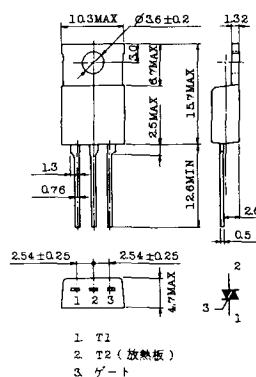
TT-4



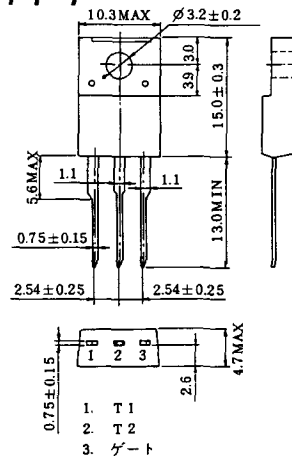
TT-5



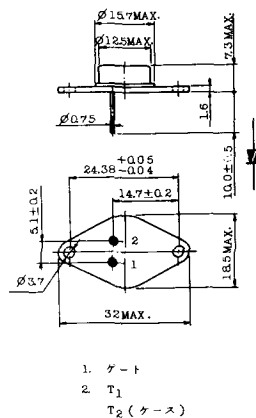
TT-6



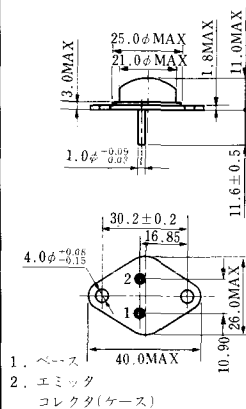
TT-7



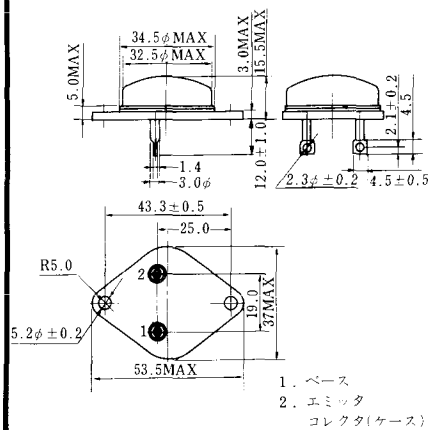
TT-8



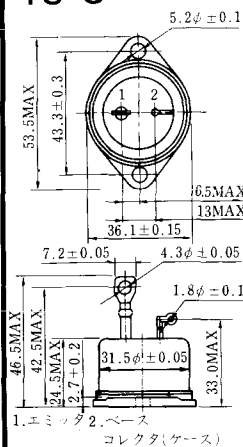
TS - 1



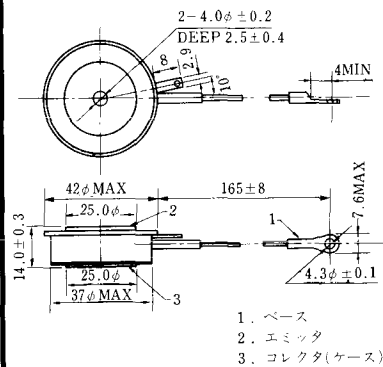
TS - 2



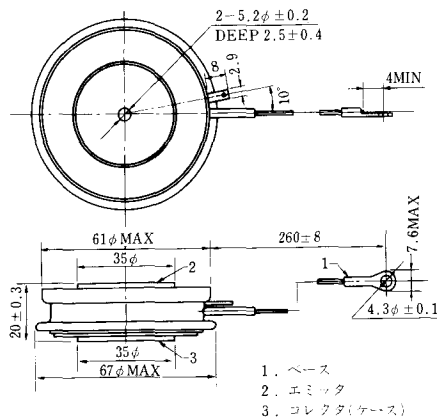
TS-3



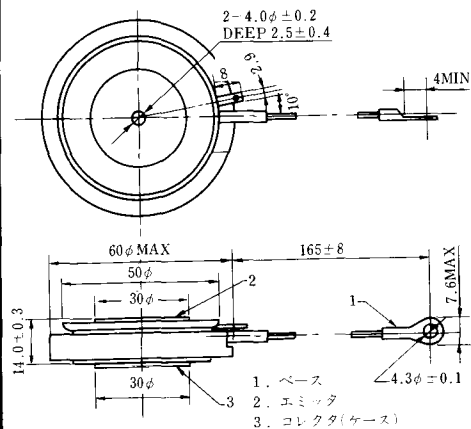
TS-4



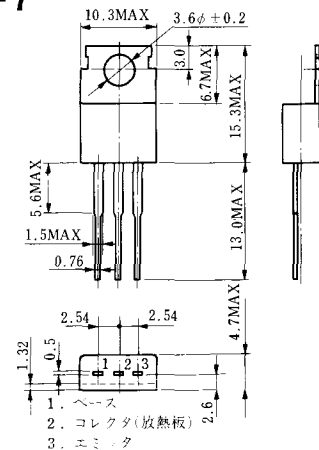
TS-5

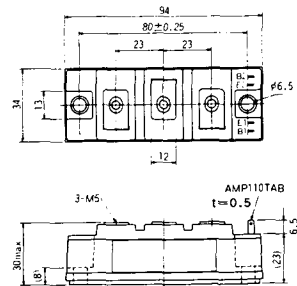
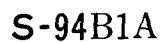
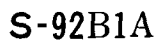
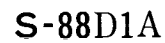
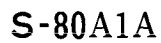


TS-6

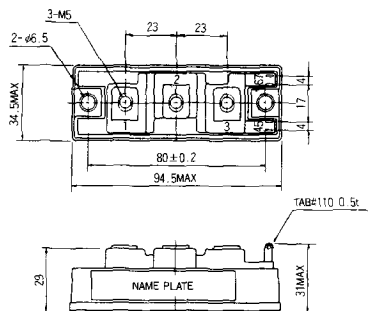


TS-7

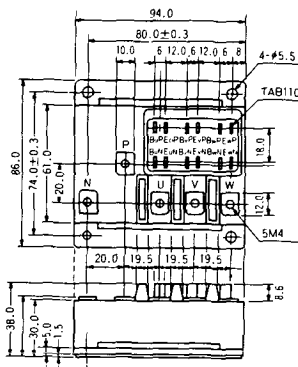




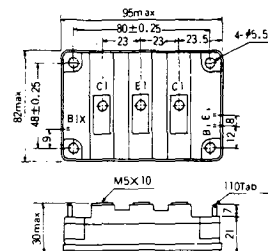
S-94B2A



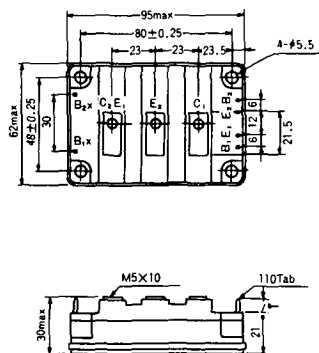
S-94D1A



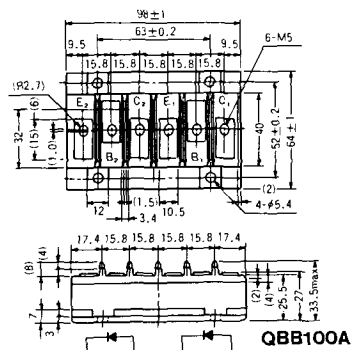
S-95A1A



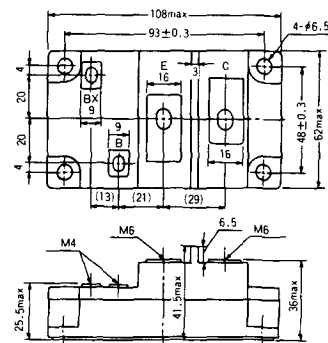
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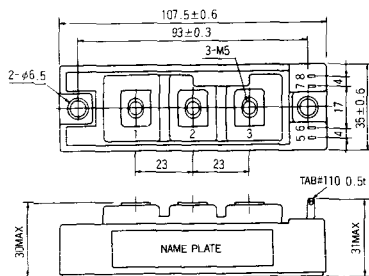
S-98B1B



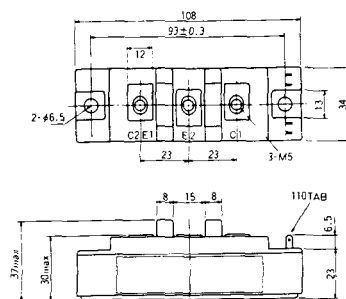
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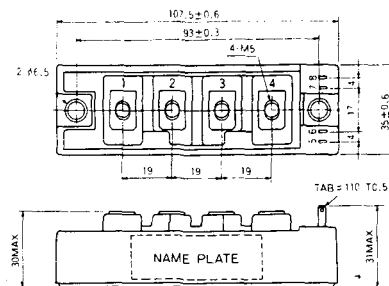
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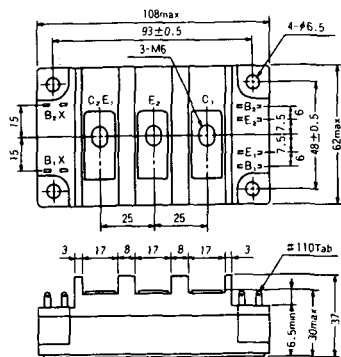
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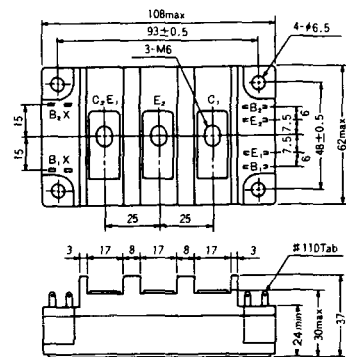
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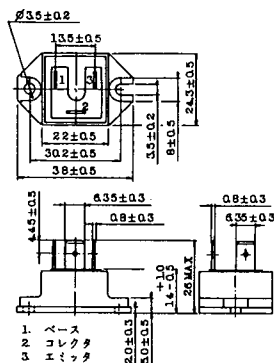
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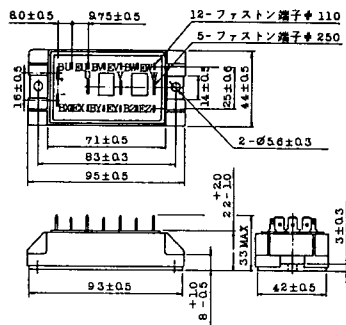
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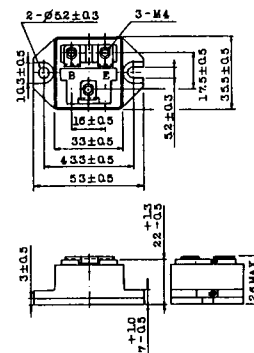
2-22B1A



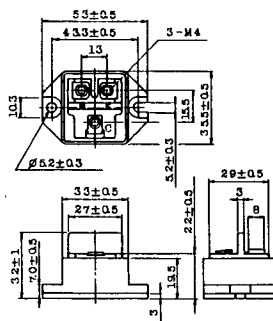
2-27A4A



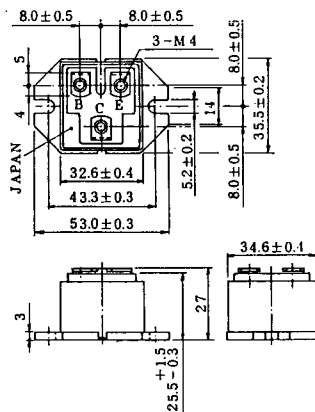
2-33C1A



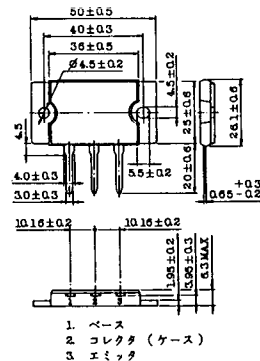
2-33D1A



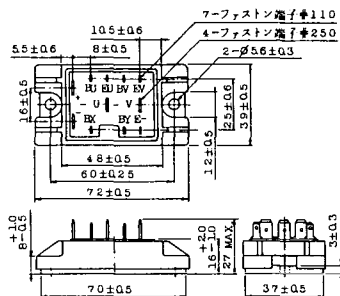
2-33F1A



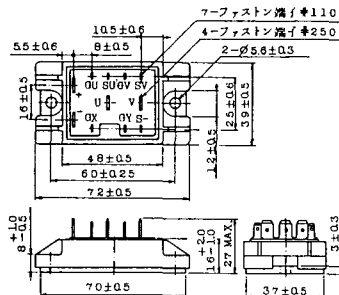
2-37A1A



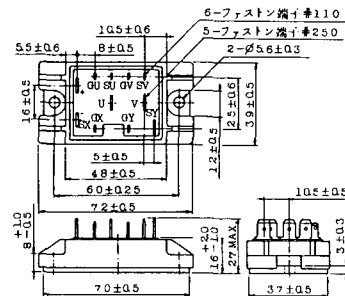
2-48A3A



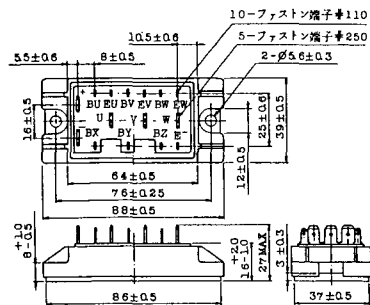
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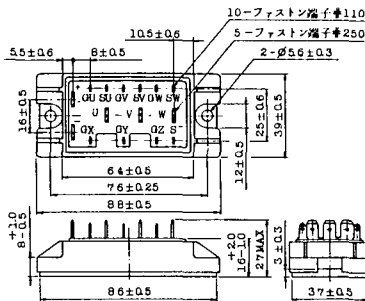
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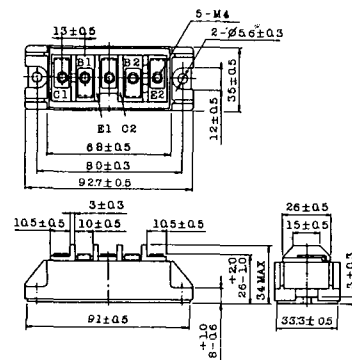
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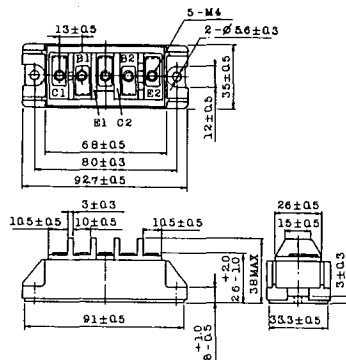
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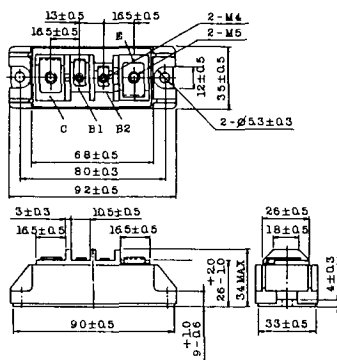
2-68A2A



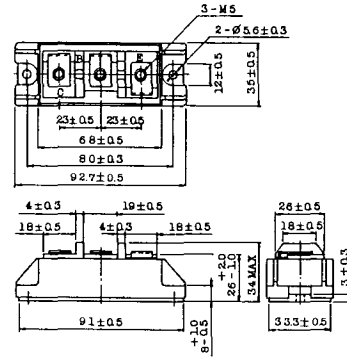
2-68B2A



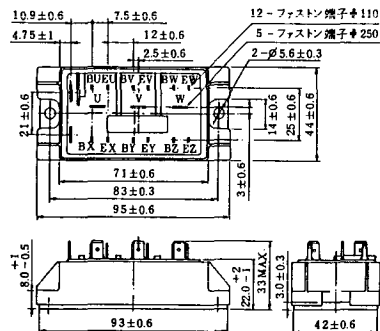
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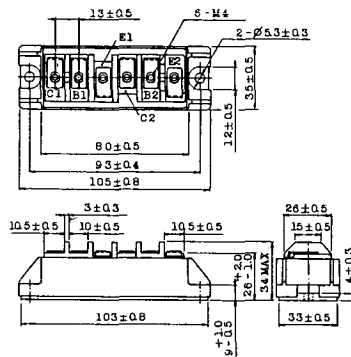
2-68D2A



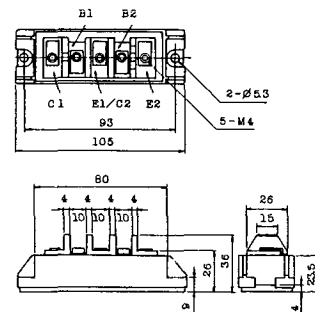
2-72A3A



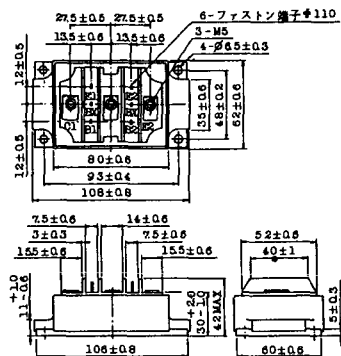
2-80A1A



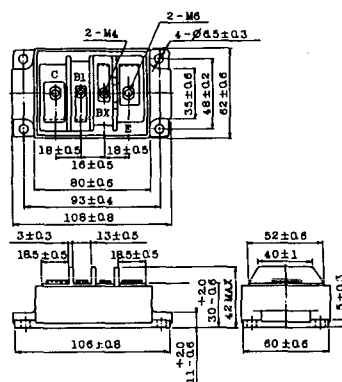
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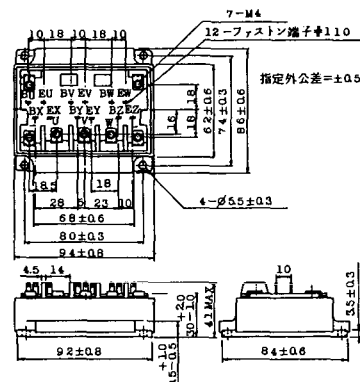
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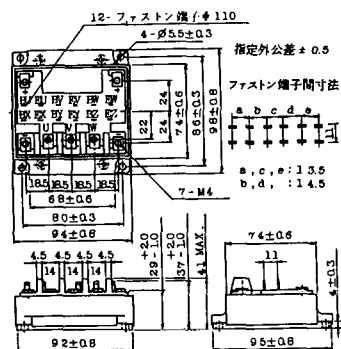
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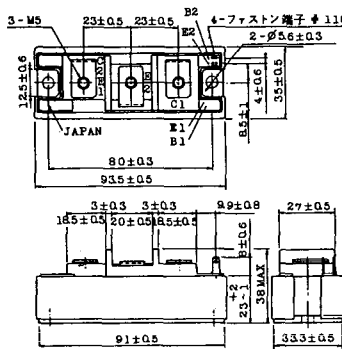
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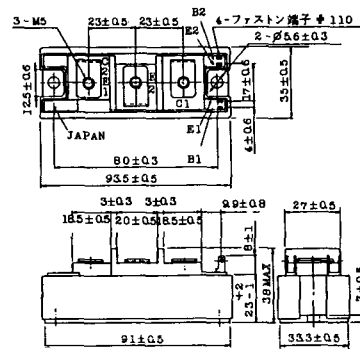
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2-94C2A

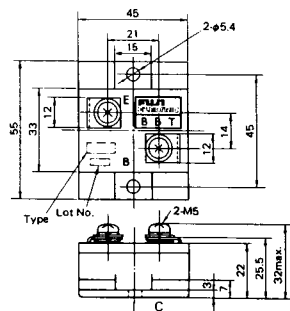


2-94C3A



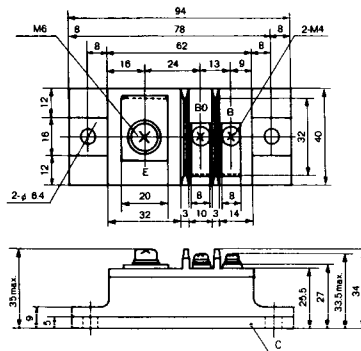
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BBTII
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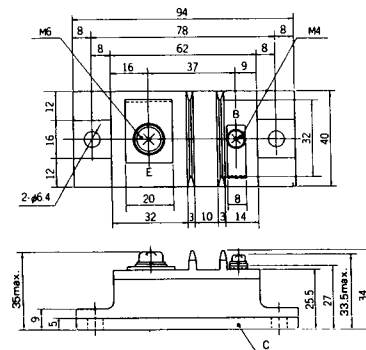
BBT-III

BBTIII
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ETN36-030
ETN36-030
ETN35-030



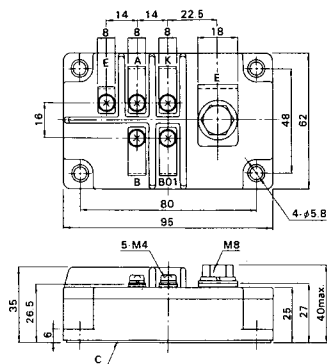
BBT-III

BBTIII
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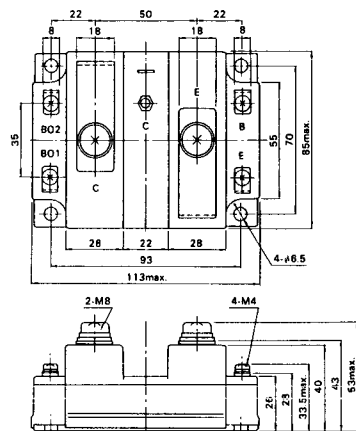


BBT-IV

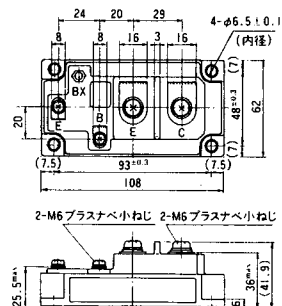
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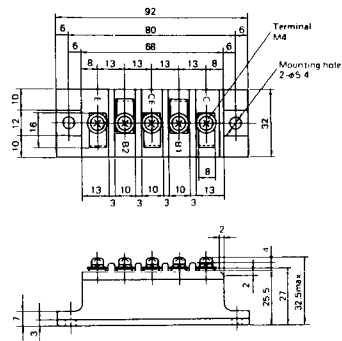
M-107



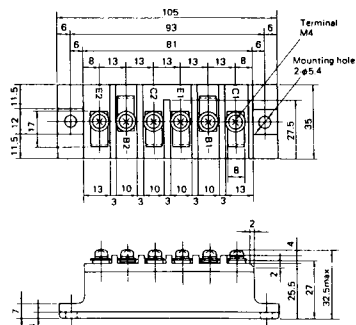
M-116



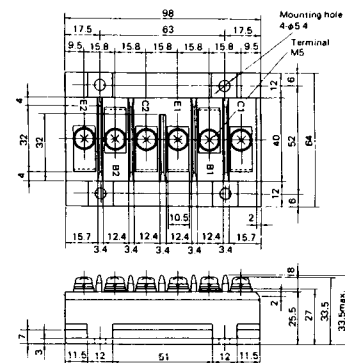
M-201



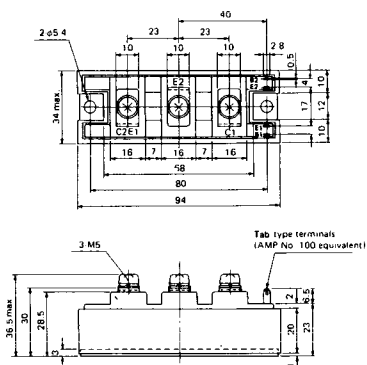
M-202



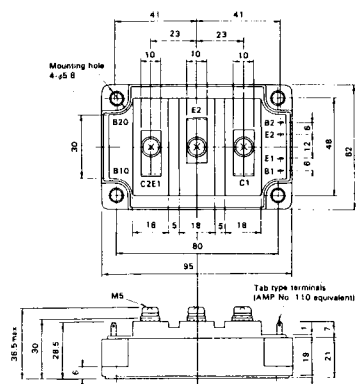
M-203



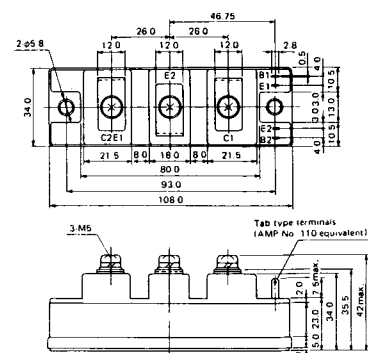
M-204



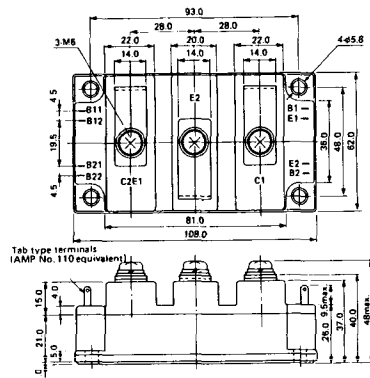
M-205



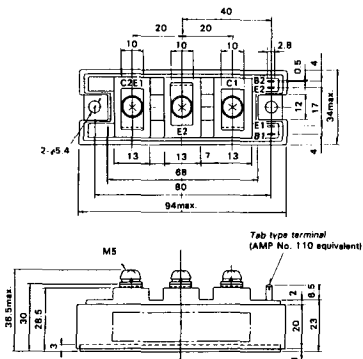
M-206



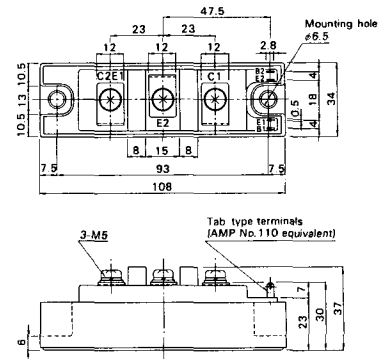
M-207



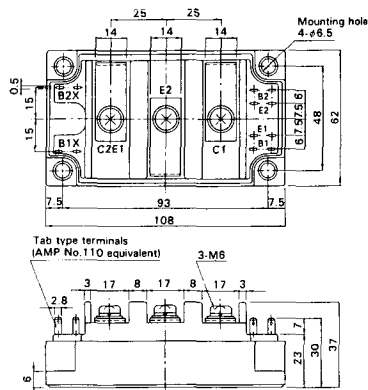
M-208



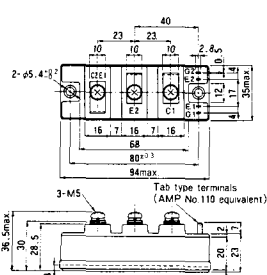
M-209



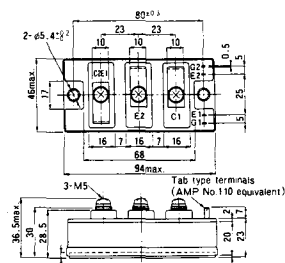
M-210

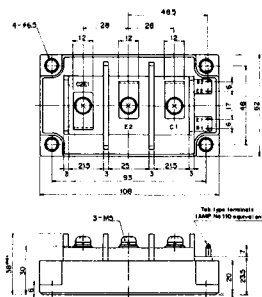
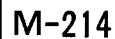


M-211



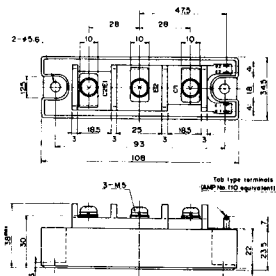
M-212



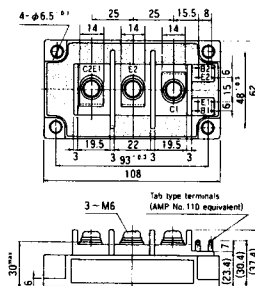


M-215

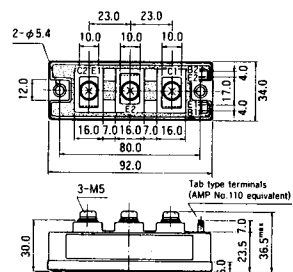
M-216



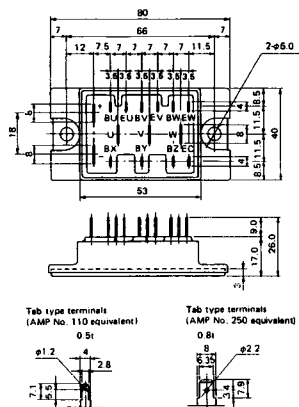
M-217



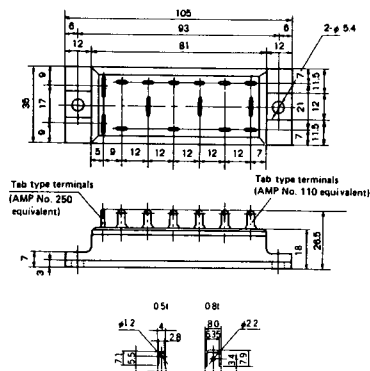
M-218



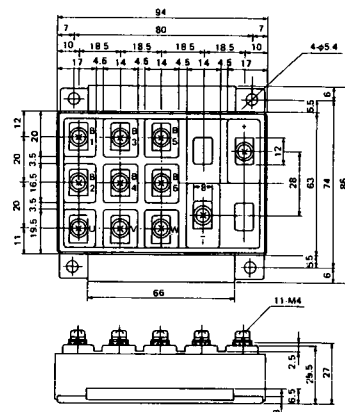
M-601



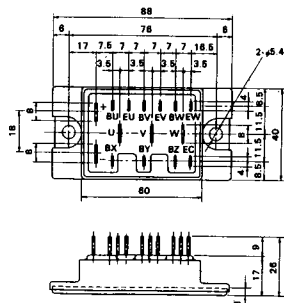
M-602



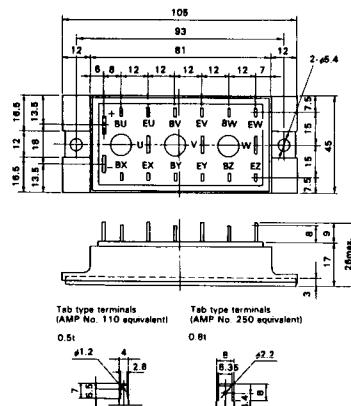
M-603



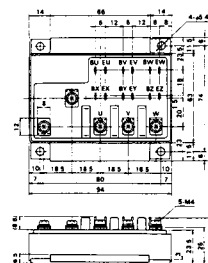
M-604



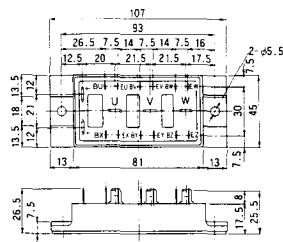
M-605



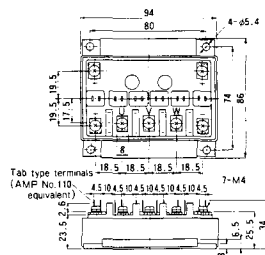
M-606



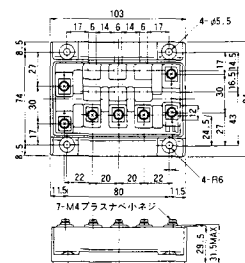
M-607



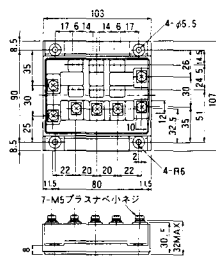
M-608



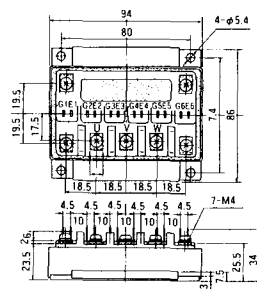
M-609



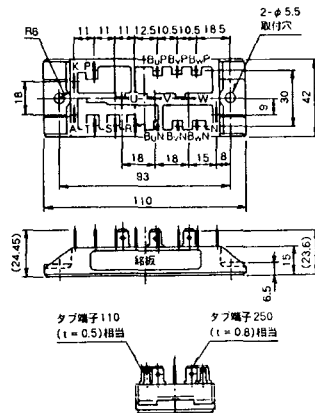
M-610



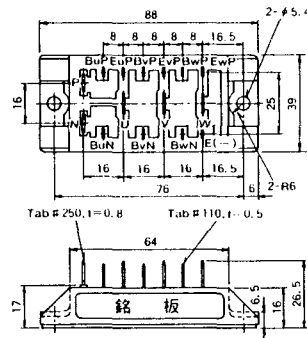
M-616



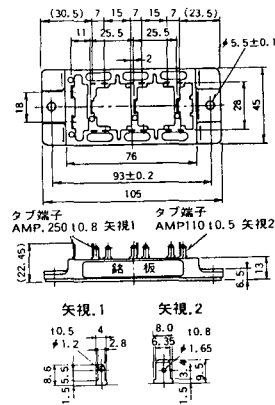
M-2E6A



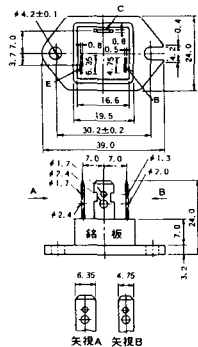
M-2F6A



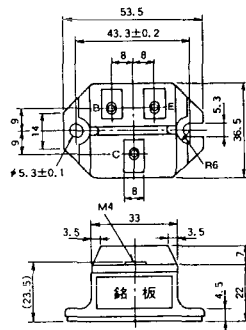
M-2G6A



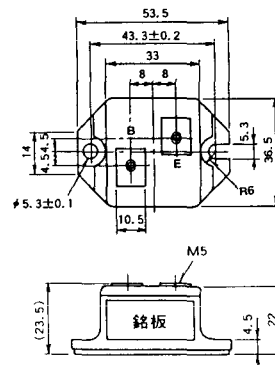
M-3A1A



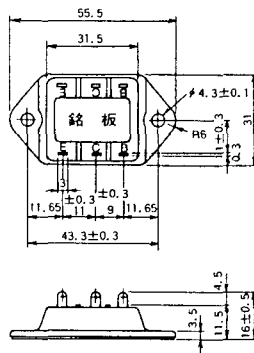
M-3B1A



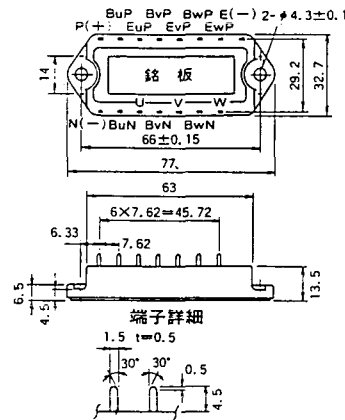
M-3B1B



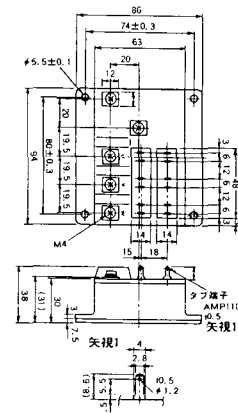
M-3C1A



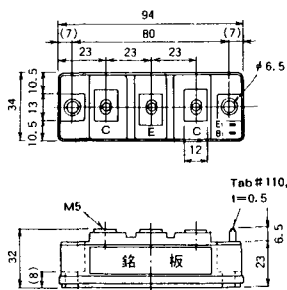
M-3D6A



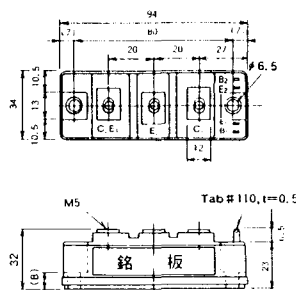
M-3E6A



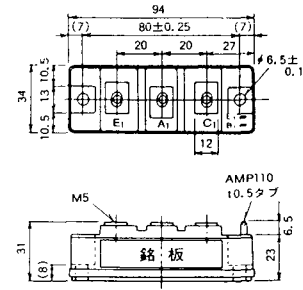
M-4A1A



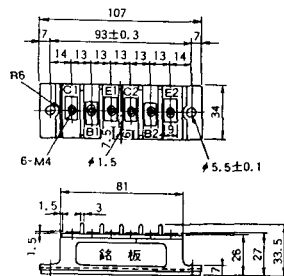
M-4A2A



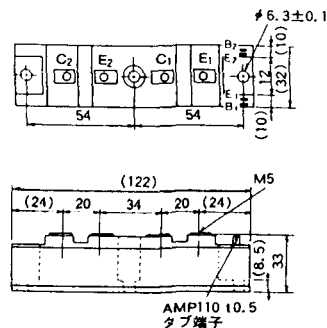
M-4A1B



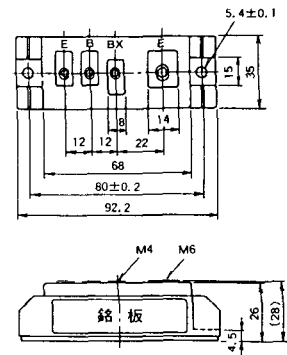
M-5C2A



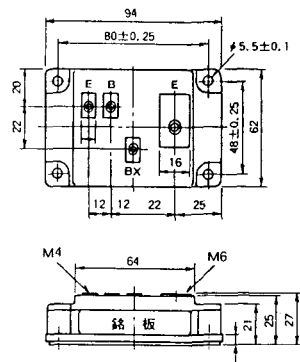
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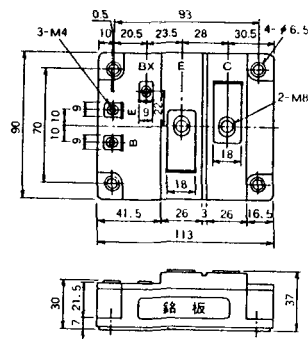
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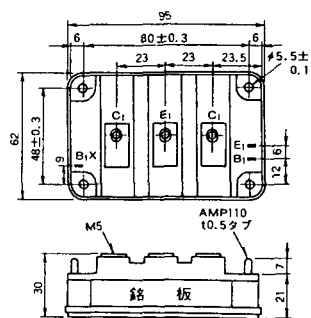
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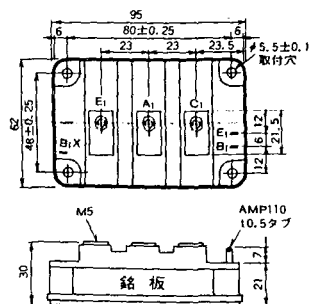
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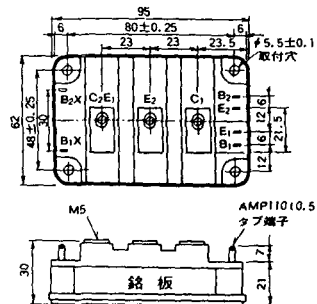
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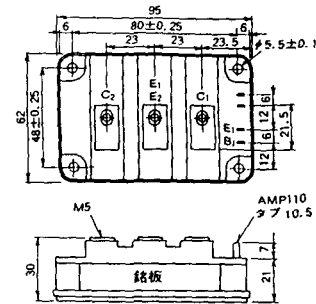
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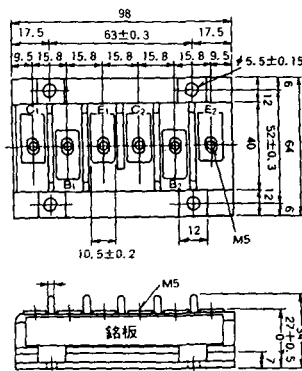
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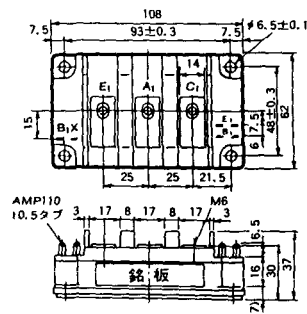
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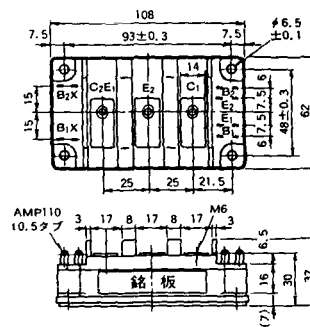
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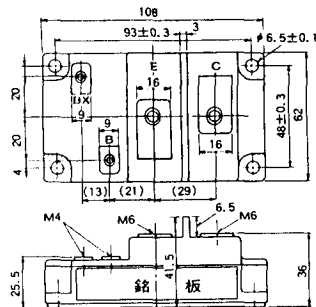
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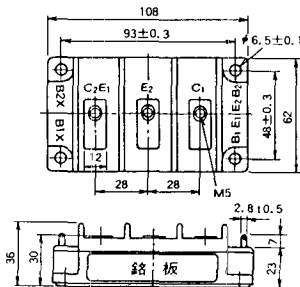
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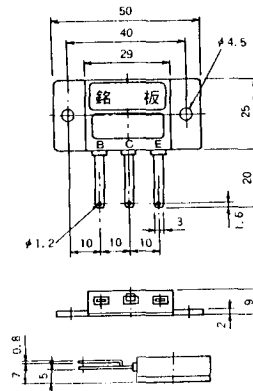
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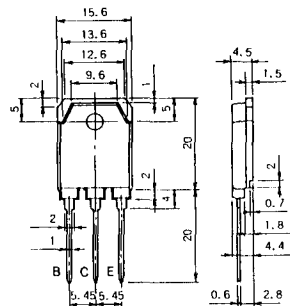
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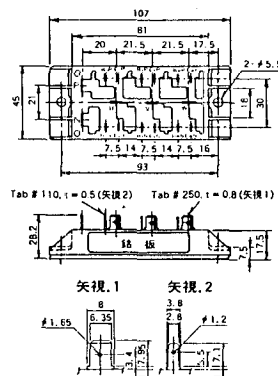
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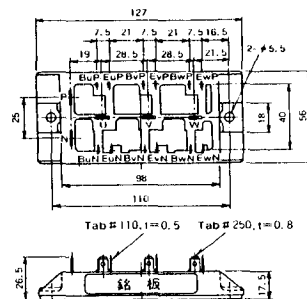
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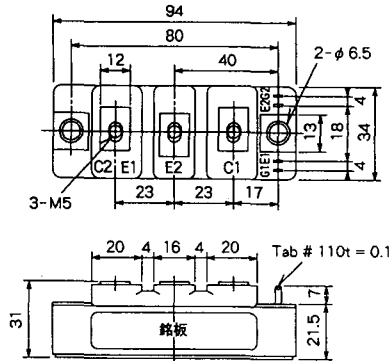
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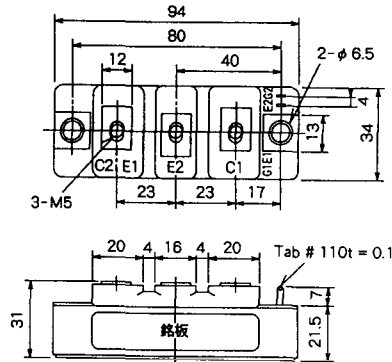
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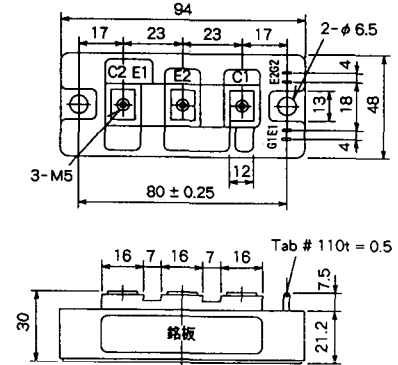
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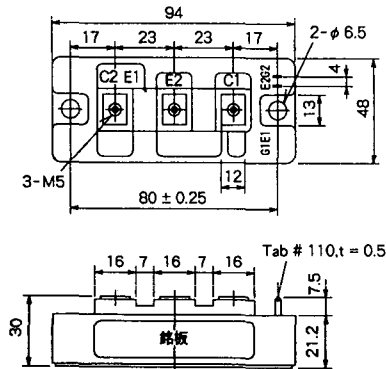
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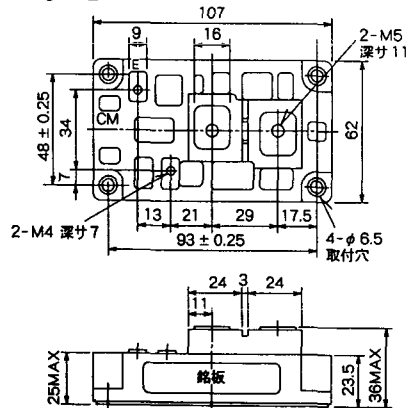
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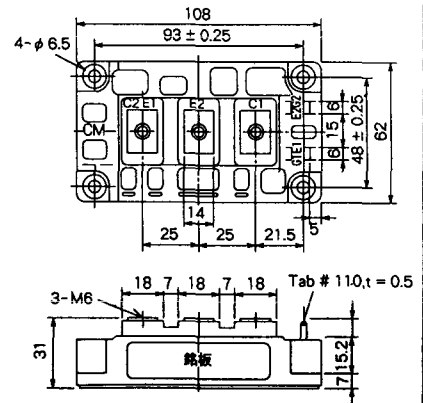
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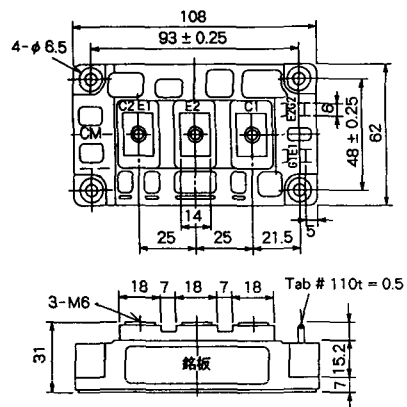
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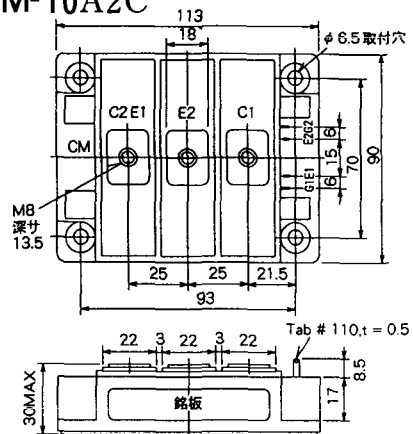
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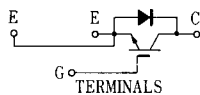
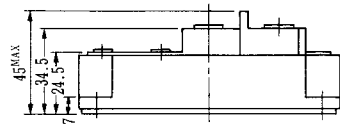
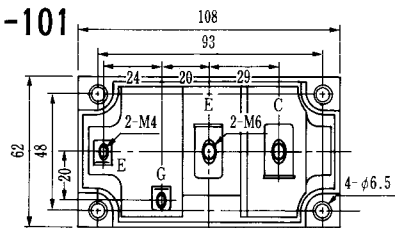
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M-10A2C



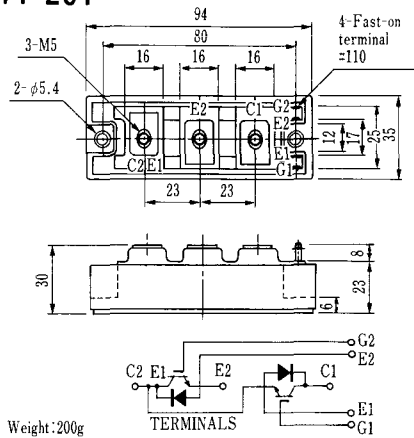
H-101



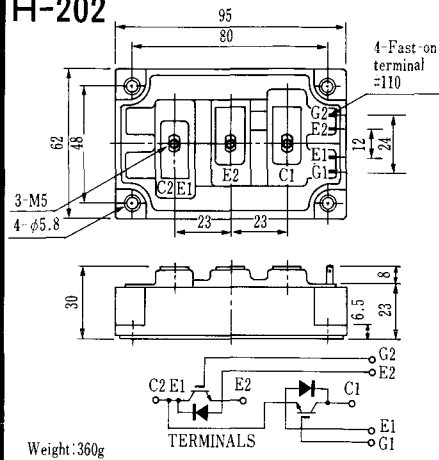
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TERMINALS

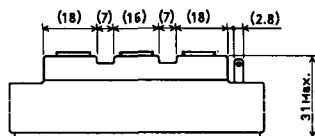
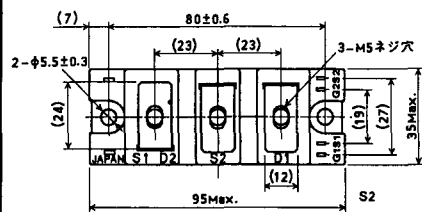
H-201



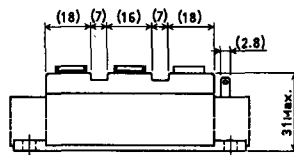
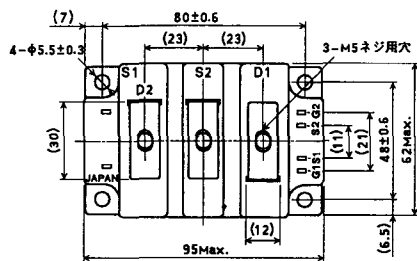
H-202



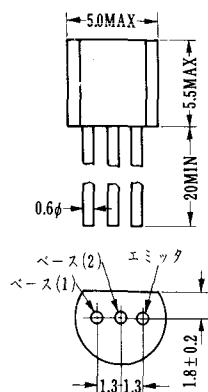
LF-J



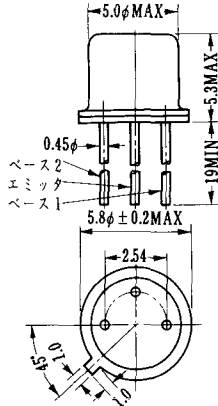
LF-K



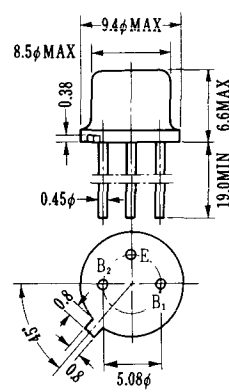
U-1



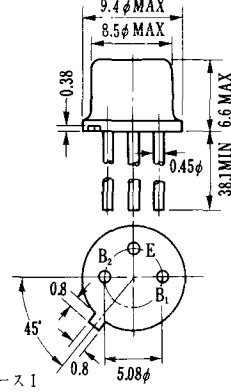
U-2



U-3



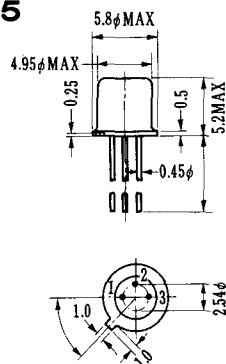
U-4



電極接続

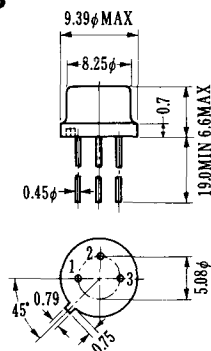
B₁: ベース1
B₂: ベース2
E: エミッタ

U-5



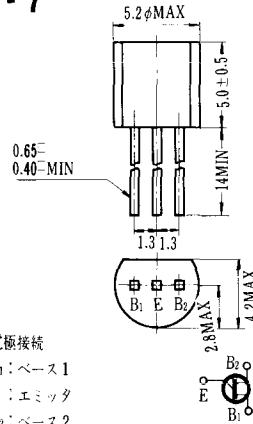
1. BASE1
2. EMITTER
3. BASE2 (CASE)

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

