[illegible]

FD-1



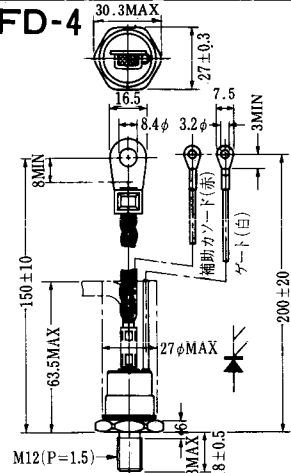
FD-2



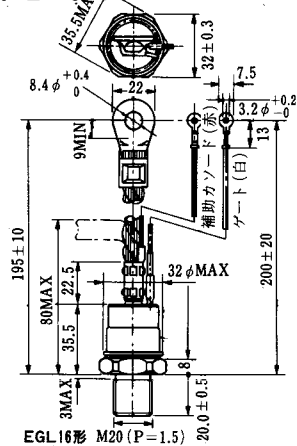
FD-3



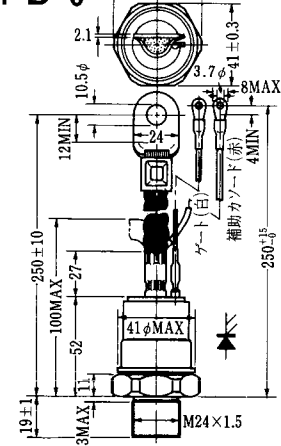
FD-4



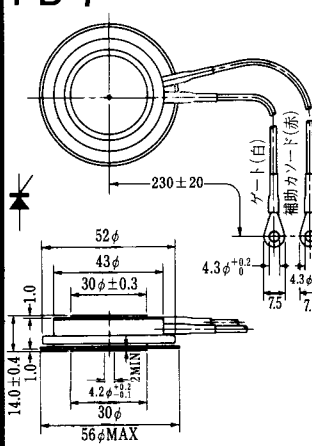
FD-5



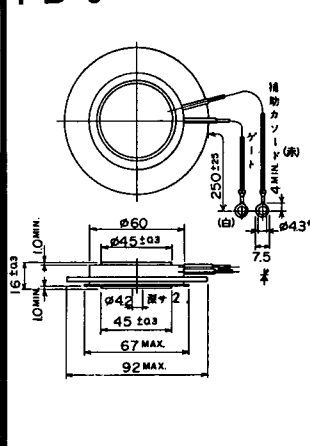
FD-6



FD-7



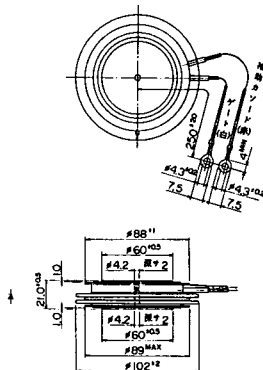
FD-8



FD-9

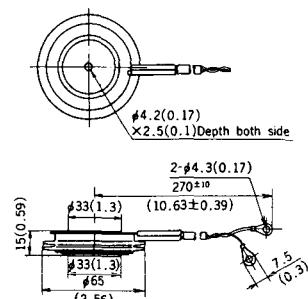
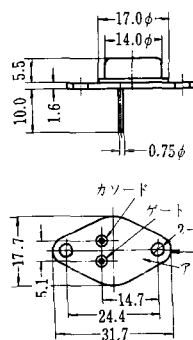
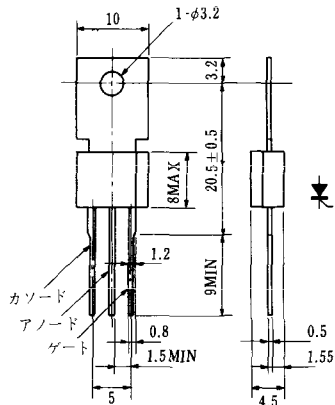


FD-10

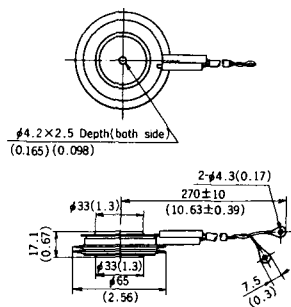


FD-11

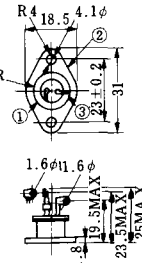
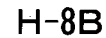
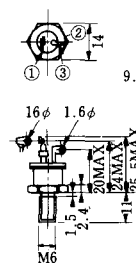
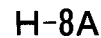
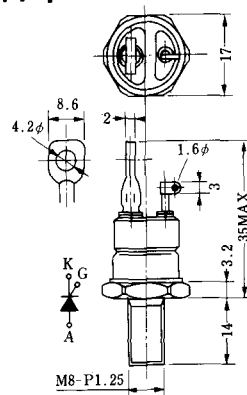
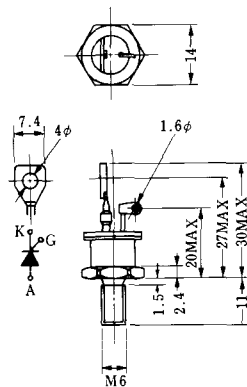
FD-12



Unit in mm(inch)

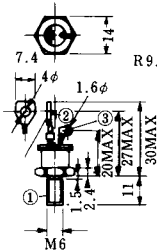


Unit in mm(inch)

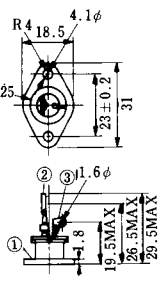


- ①アノード
②カソード
③ゲート

H-9A

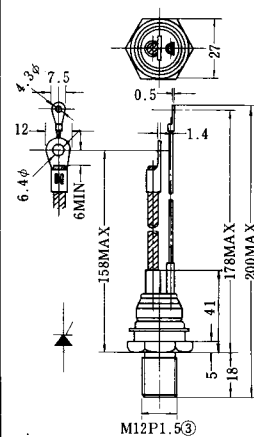


H-9B

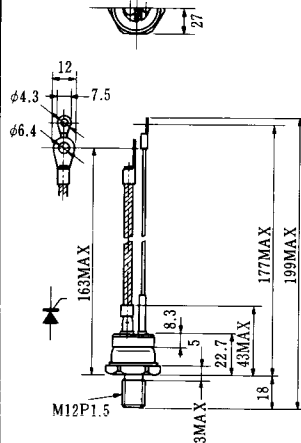


- ① アノード
- ② カソード
- ③ ゲート

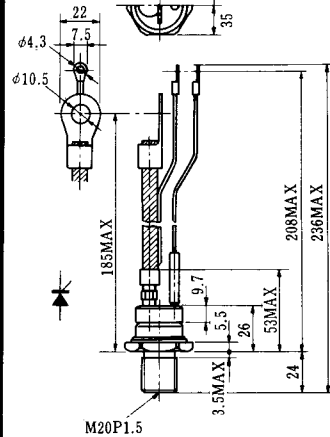
H-10



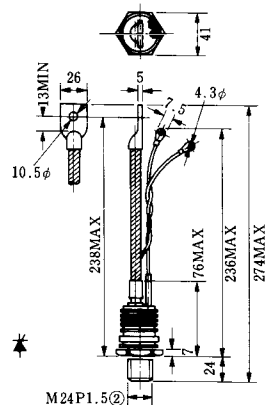
H-11



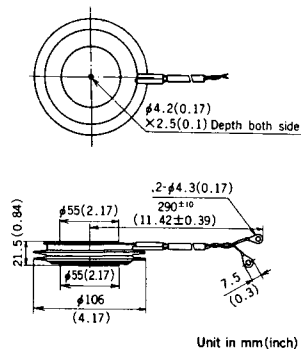
H-12



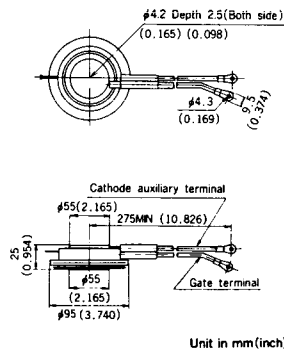
H-13



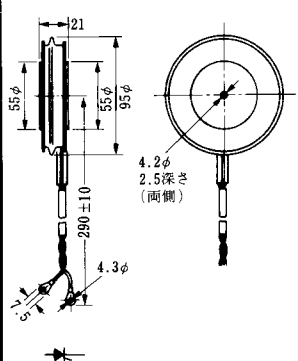
H-14



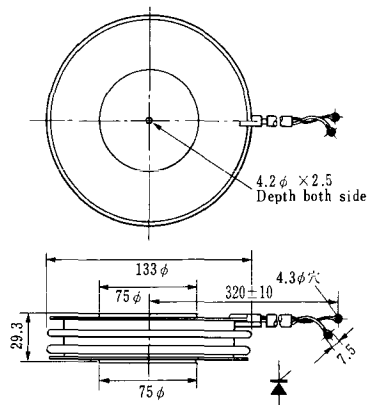
H-15



H-16



H-17



H-18



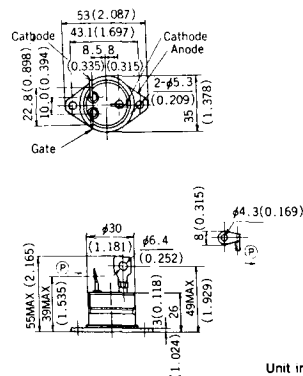
H-19



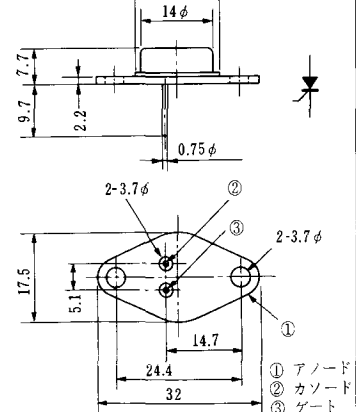
H-20



H-21



H-22



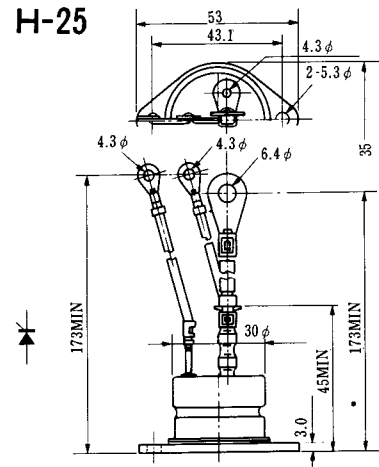
H-23



H-24



H-25



H-26



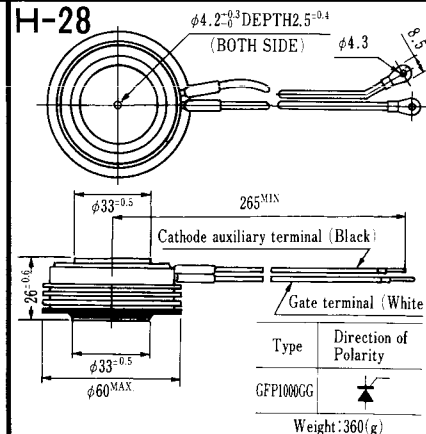
Type	Direction of polarity
CA12	

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. Weight: 870(g)

H-30



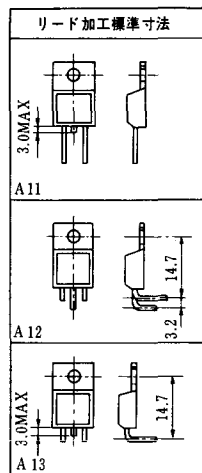
Note : The thickness is a dimension in press at the rated mounting force. Weight: 1,460(g)

HT-1

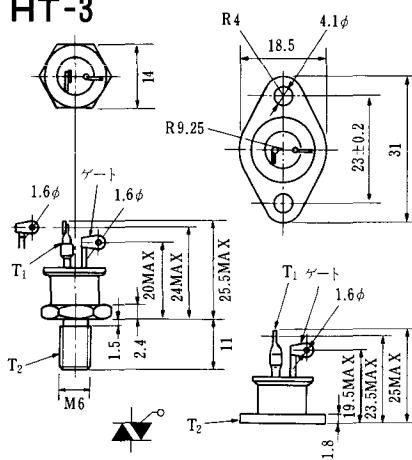


Unit in mm (inch)

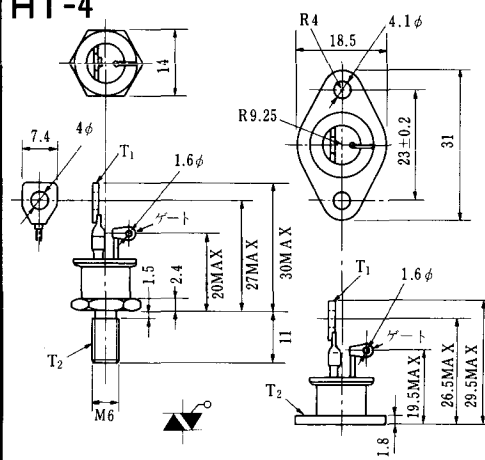
HT-2



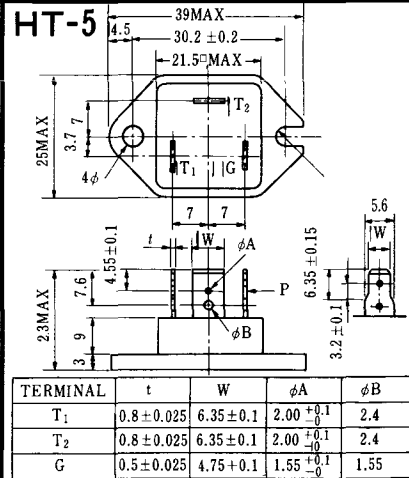
HT-3



HT-4



HT-5



《寸法図単位：mm》

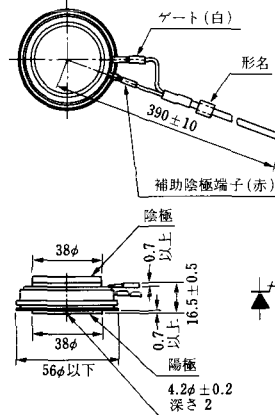
M-1



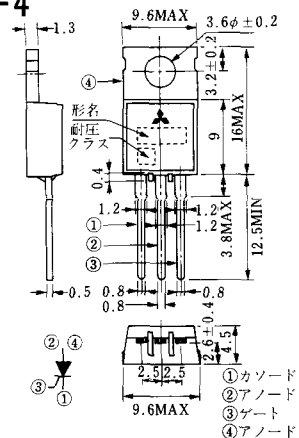
M-2



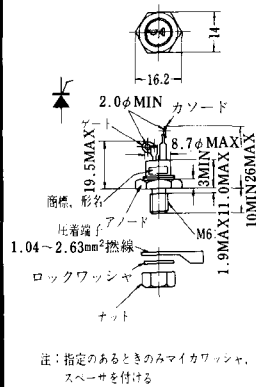
M-3



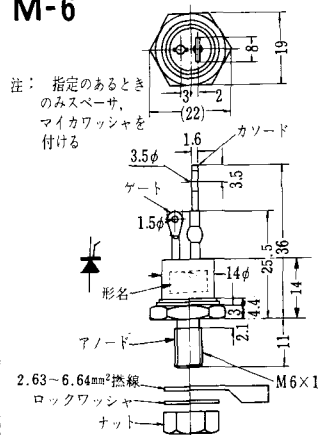
M-4



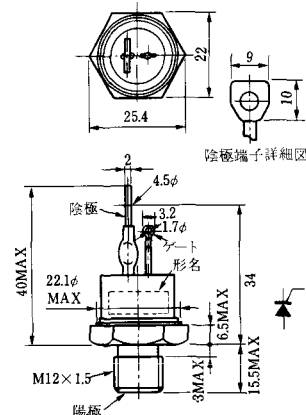
M-5



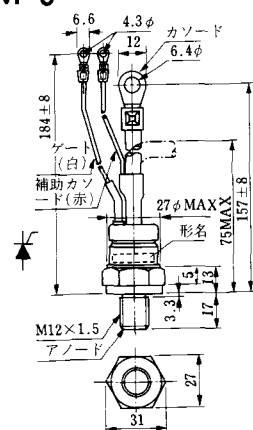
M-6



M-7



M-8



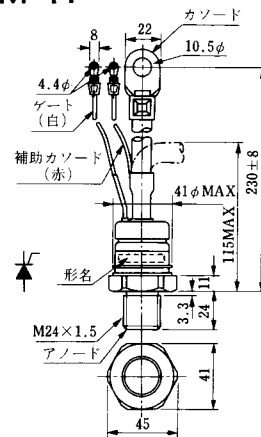
M-9



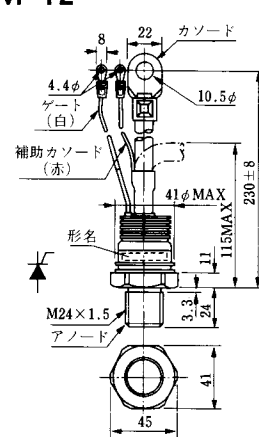
M-10



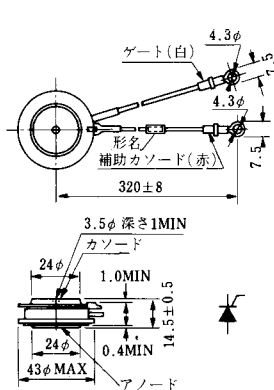
M-11



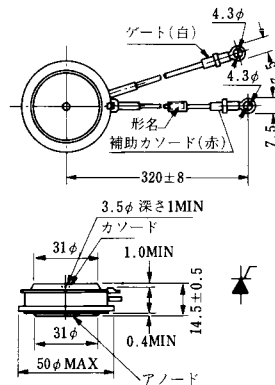
M-12



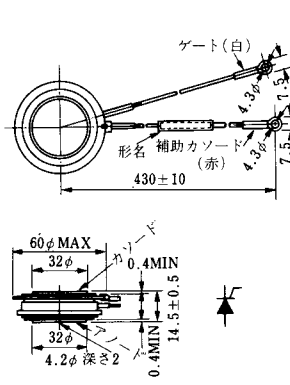
M-13



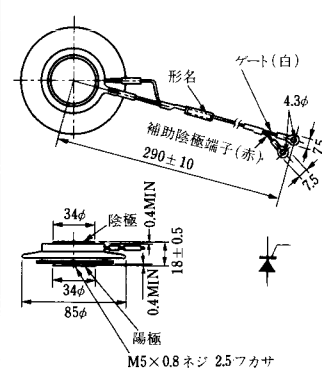
M-14



M-15



M-16



M-17



M-18



M-19



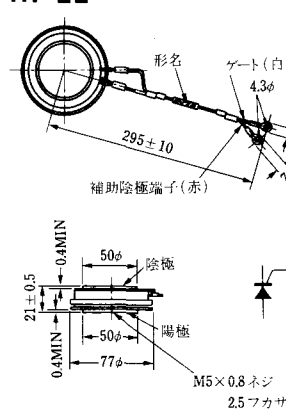
M-20



M-21



M-22



M-23



M-24



M-25



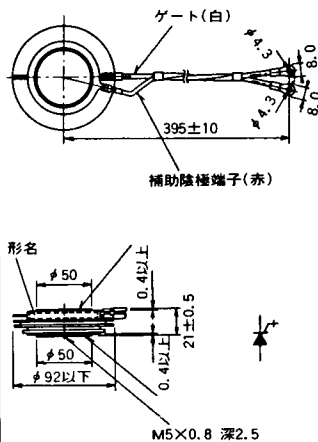
M-26



M-27



M-28



M-29



M-30



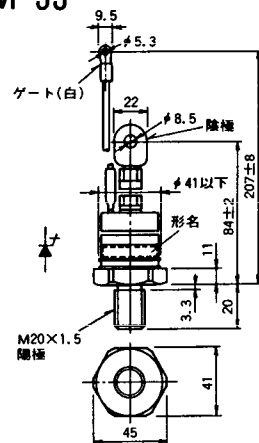
M-31



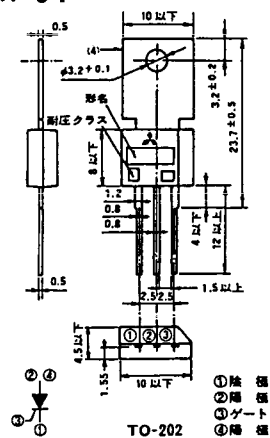
M-32



M-33



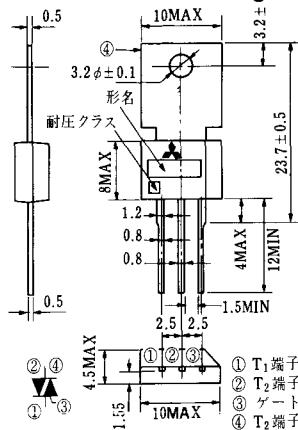
M-34



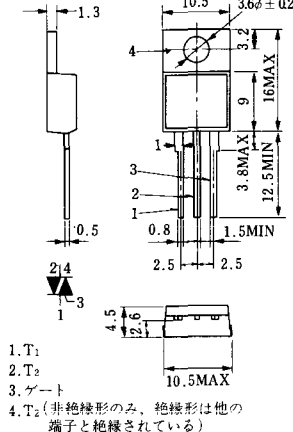
MT-1



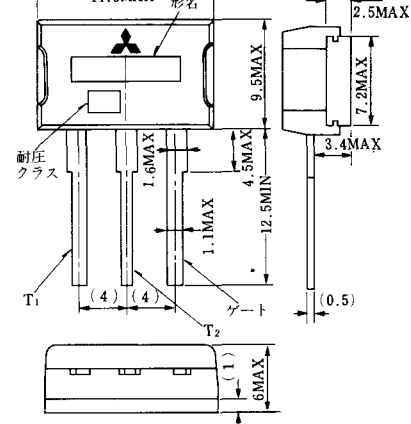
MT-2



MT-3



MT-4



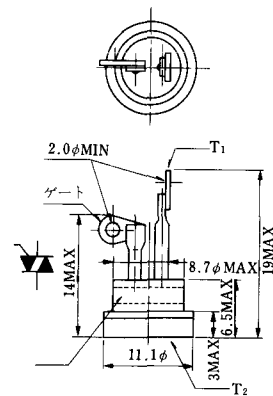
MT-5



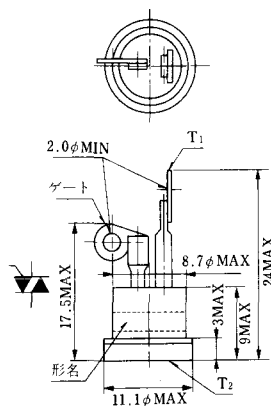
MT-6



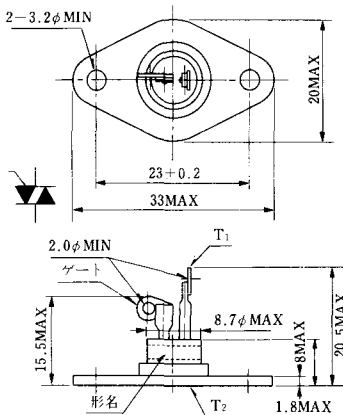
MT-7



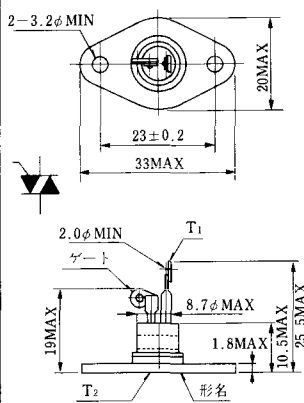
MT-8



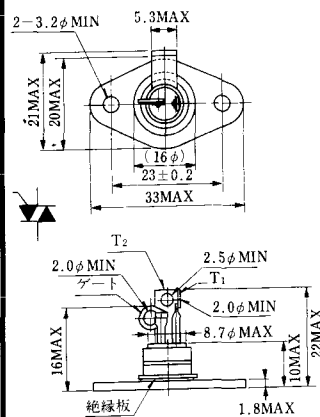
MT-9



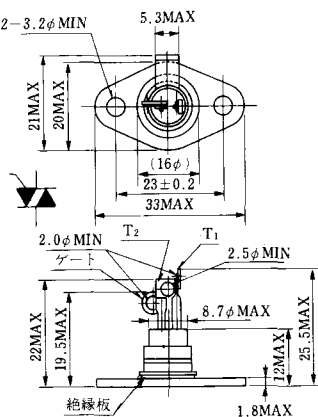
MT-10



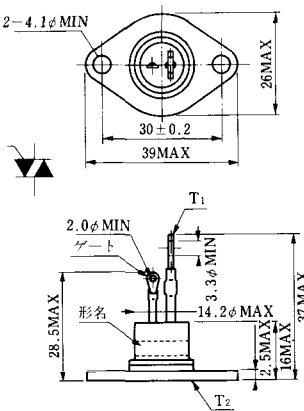
MT-11



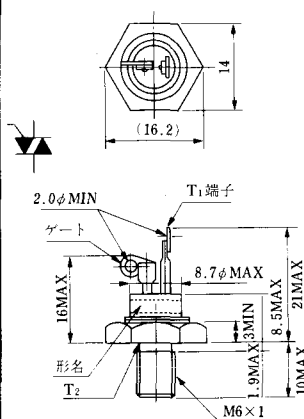
MT-12



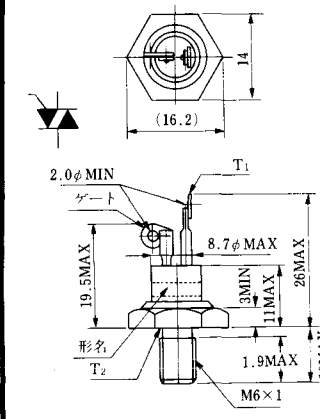
MT-13



MT-14



MT-15



MT-16



MT-17



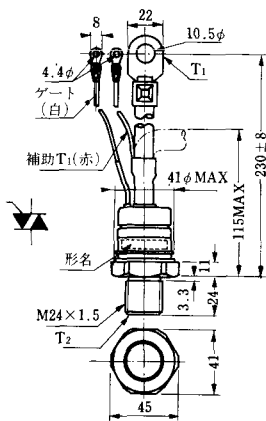
MT-18



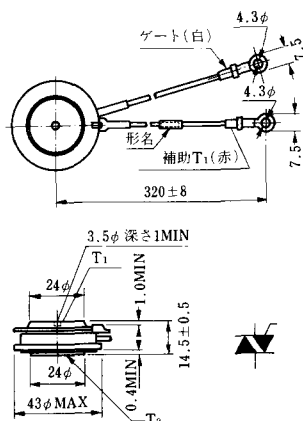
MT-19



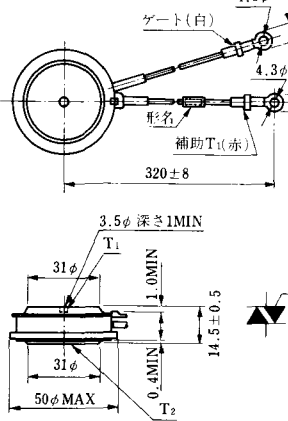
MT-20



MT-21



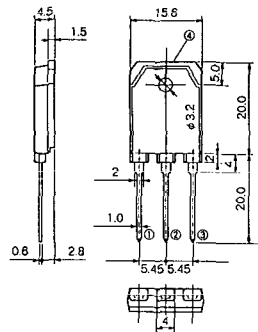
MT-22



MT-23



MT-24



TO-3P

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

N-1



電極接続

- ① カソード
- ② ゲート
- ③ アノード

N-2



電極接続

- ① ヤート
- ② アノード
- ③ カソード

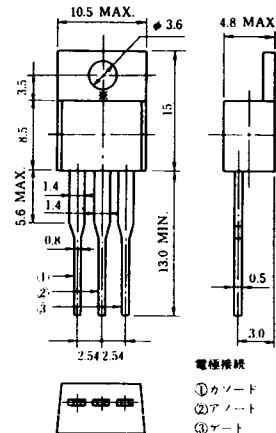
N-3



電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-4



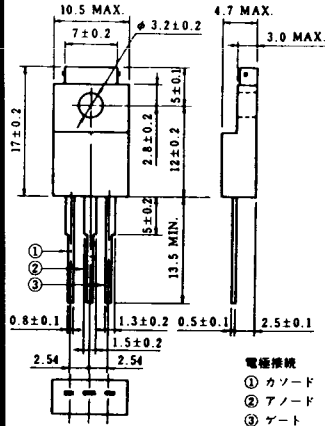
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-5



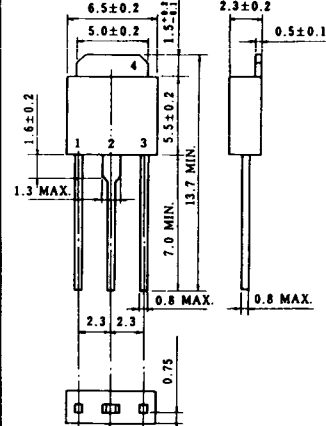
N-6



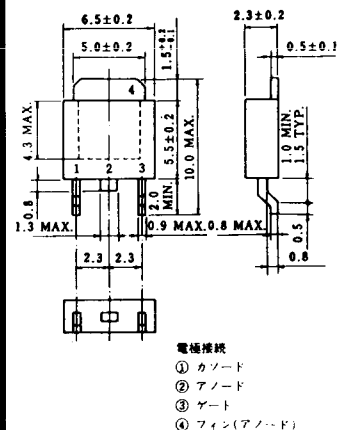
電極接続

- ① カソード
- ② アノード
- ③ ゲート

N-7



N-8



電極接続

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

N-9



電極接続

K : カソード

A : アノード

G : ゲート

NA-1



電極接続

1. ゲート
2. アノード
3. カソード

JEDEC: TO-92

NA-2

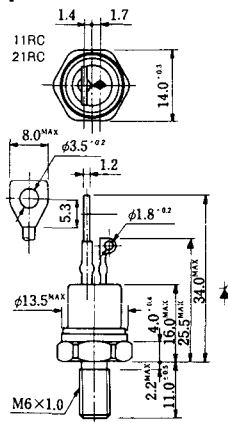


電極接続

1. カソード
2. アノード
3. ゲート

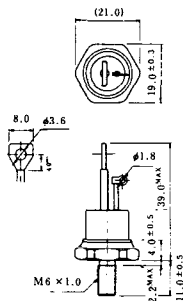
JEDEC: TO-202AA

NI-1



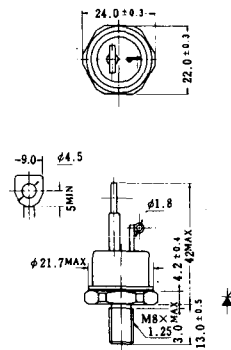
NI-2

29RD



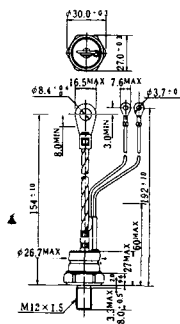
NI-3

39RC
59RC
39RF
59RF



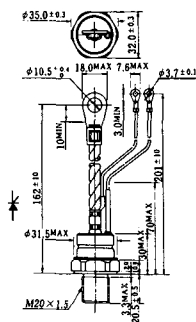
NI-4

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



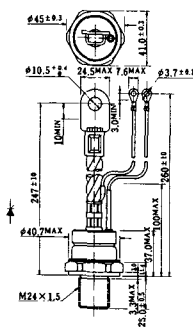
NI-5

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



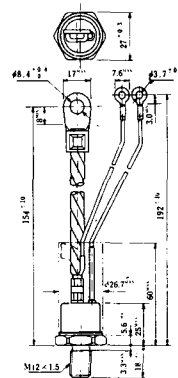
NI-6

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



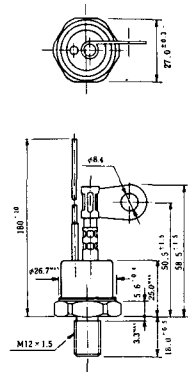
NI-7

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



NI-8

89RW
129RW



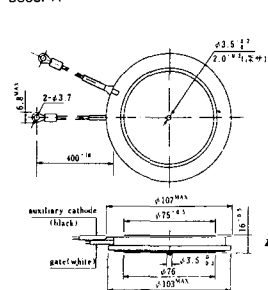
NI-16

503PLF
503PLH



NI-17

3003PA



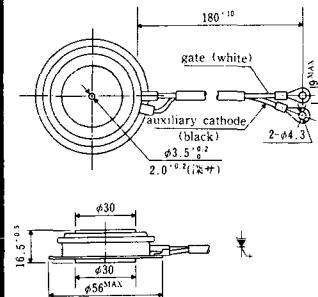
NI-18

353PGA「E



NI-19

603PGA, 603PGA「A, 803PGA



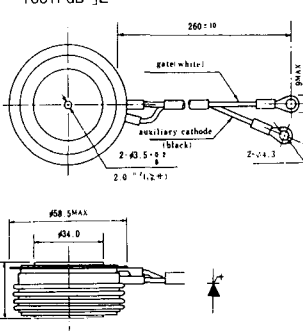
NI-20

603PGA「E



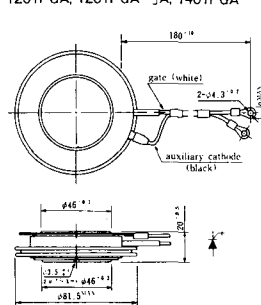
NI-21

1001PGB「E



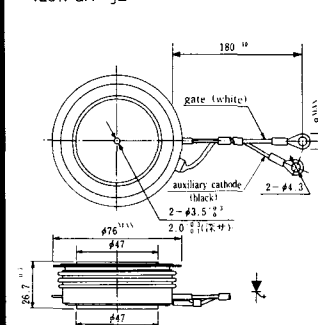
NI-22

1201PGA, 1201PGA「A, 1401PGA



NI-23

1201PGA「E



NI-24

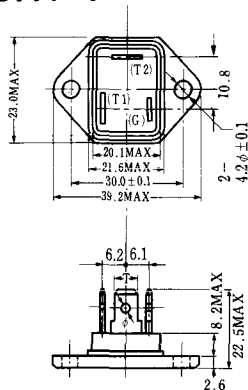
2001PGB^r JE



NI-25

NI-26

SAT-1

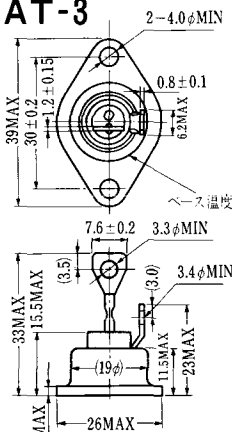


T1端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
T2端子:ファストン250($T=6.35$, $t=0.8$, $\phi=1.65$)
G端子:ファストン187($T=4.75$, $t=0.5$, $\phi=1.3$)

SAT-2



SAT-3



SAT-4



SAT-5



SAT-6



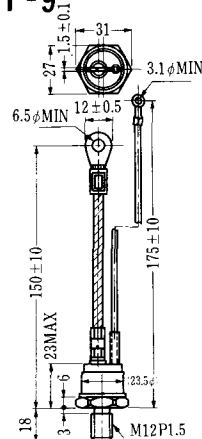
SAT-7



SAT-8



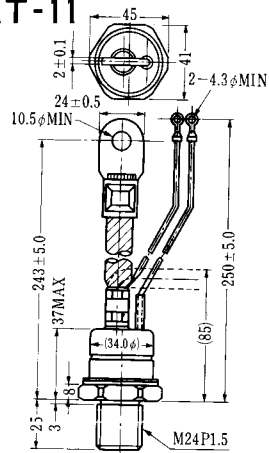
SAT-9.



SAT-10



SAT-11



SY-1(1096A)



SY-2(1151)



SY-3(1104)



SY-4(1150)



1097A



G: Gate

1102



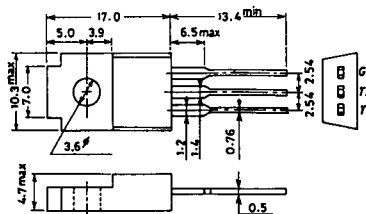
1141



1142



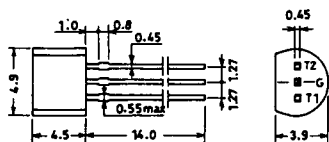
1144



1155

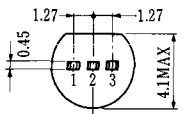
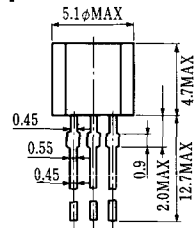


1192A



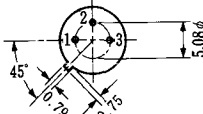
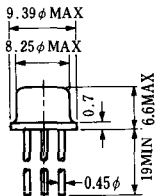
G: Gate

T-1 (13-5A1A)



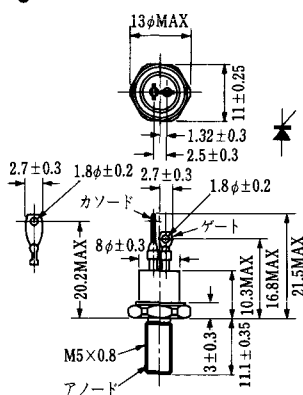
- 1 ゲート
- 2 アノード
- 3 カソード

T-2
(13-8A1A)

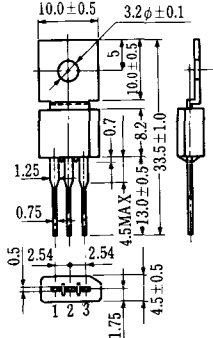


1. カソード
2. ゲート
3. アノード(ケース)

T-3 (13-8C1A)

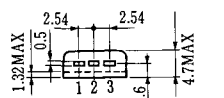
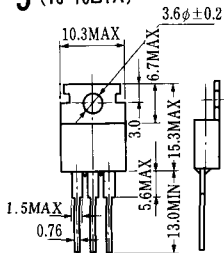


T-4 (13-10A1A)



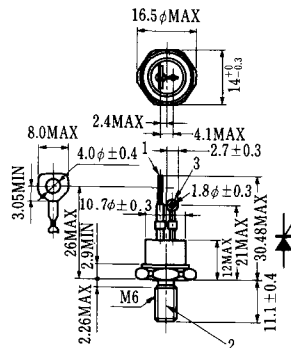
- 1 カソード
- 2 アノード
- 3 ゲート

T-5 (13-10B1A)



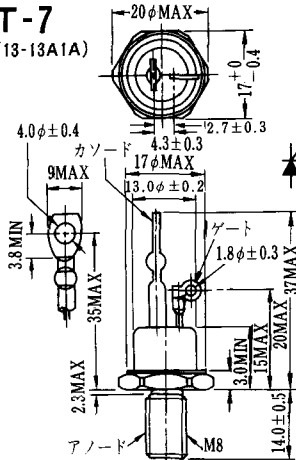
- 1 カソード
- 2 アノード
- 3 ゲート

T-6 (13-11D1A)



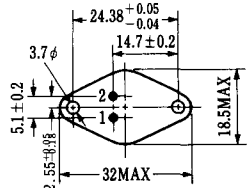
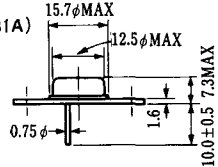
- 1 カソード
- 2 アノード
- 3 ゲート

T-7
(13-13A1A)



T-8

(13-13B1A)



1. ゲート
2. カソード
アノード(ケース)

T-17 (13-42A1A)



T-18 (13-45D1A)



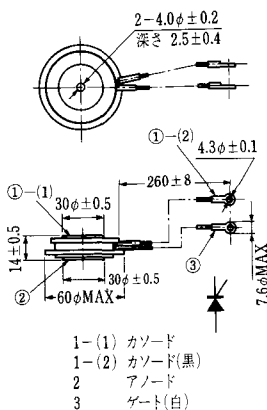
T-19 (13-52B1A)



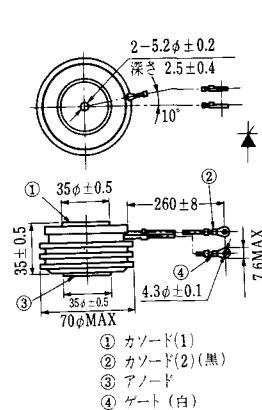
T-20 (13-52C1A)



T-21 (13-60A1A)



T-22 (13-70C1A)



T-23 (13-78A1A)



T-24 (13-100C1A)



T-25 (13-120A2A)



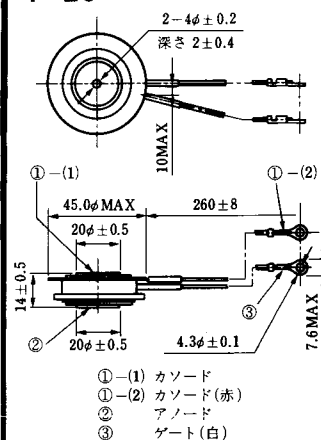
T-26 (13-150A1A)



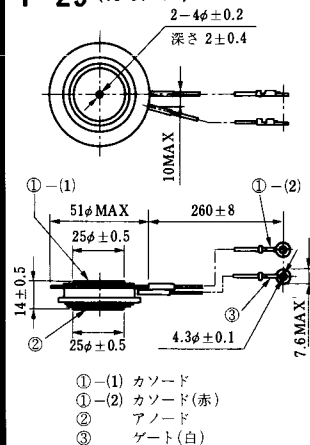
T-27 (13-37A1A)



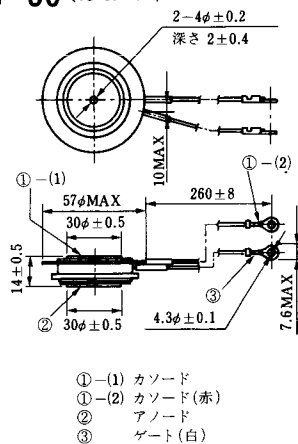
T-28 (13-45E1A)



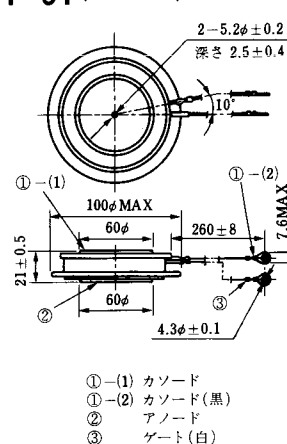
T-29 (13-51A1A)



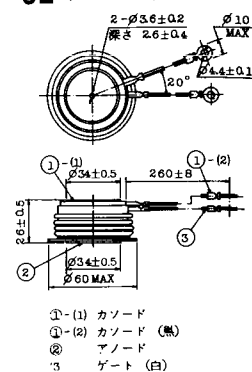
T-30 (13-57A1A)



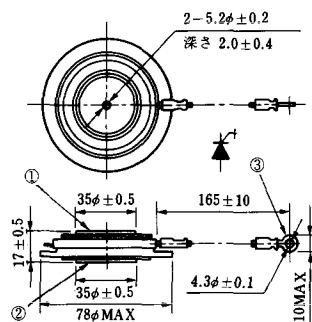
T-31 (13-100E1A)



T-32 (13-60E3A)

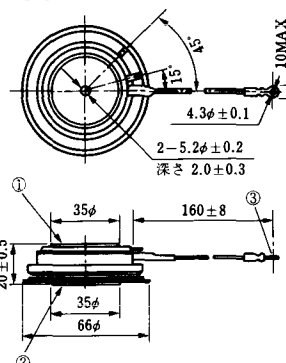


T-33 (13-78B1A)



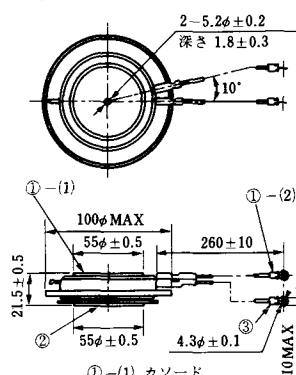
- ① カソード
- ② アノード
- ③ ゲート

T-34 (13-66A1A)



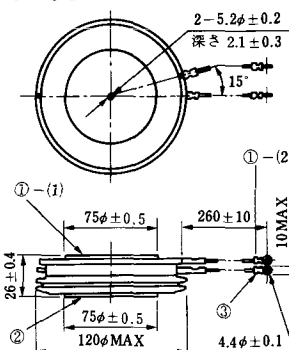
- ① カソード
- ② アノード
- ③ ゲート

T-35 (13-100D1A)



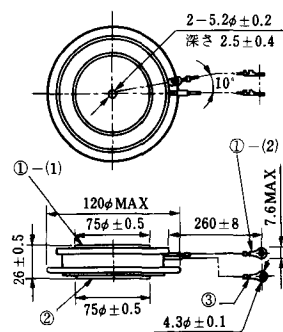
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-36 (13-120E1A)



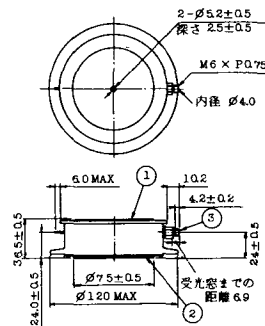
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-37 (13-120A1A)



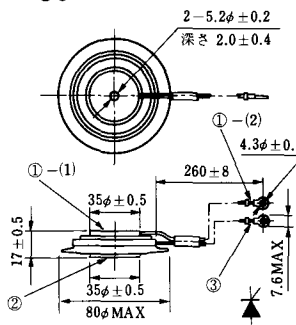
- ①-(1) カソード
- ①-(2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-38 (13-120C1A)



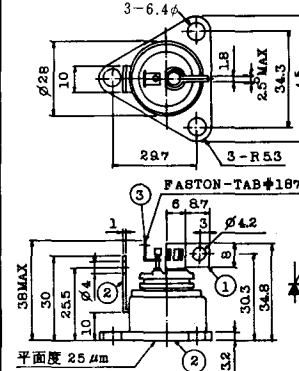
- ① カソード
- ② アノード
- ③ ゲート

T-39 (13-80B1A)



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

T-40 (13-28A1A)



- 1. カソード
- 2. アノード
- 3. ゲート

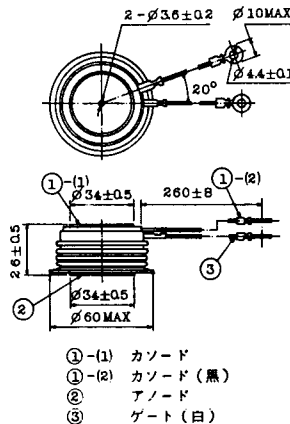
T-41 (13-28A2A)



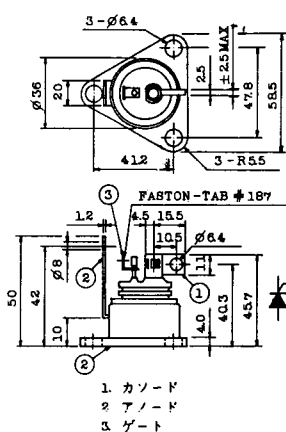
T-42 (13-45F1A)



T-43 (13-60E2A)



T-44 (13-36A1A)



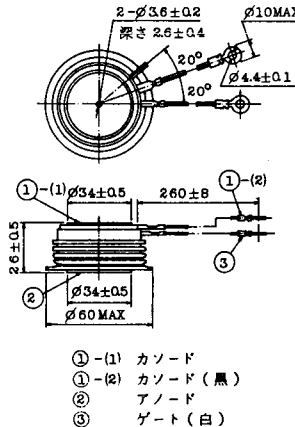
T-45 (13-51B1A)



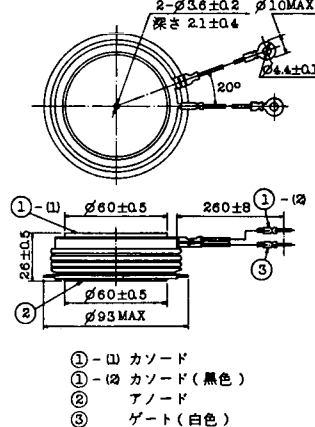
T-46 (13-36B1A)



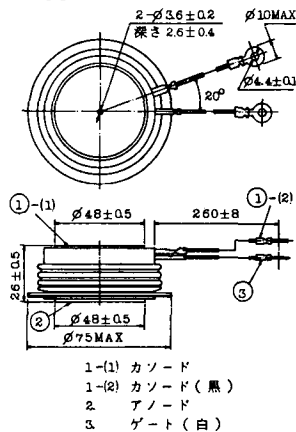
T-47 (13-60E1A)



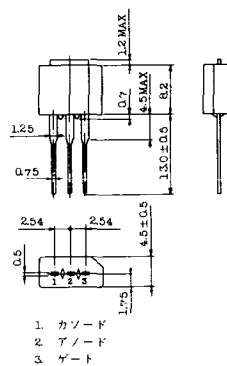
T-48 (13-93C1A)



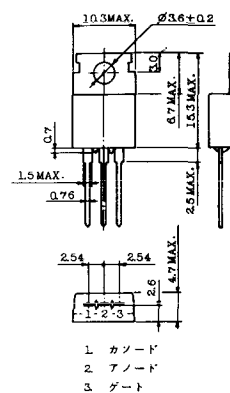
T-49 (13-75A1A)



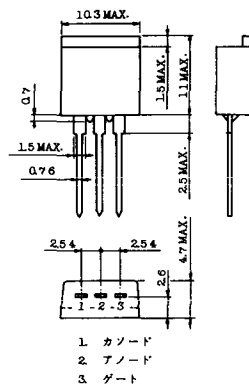
T-50 (13-10A3A)



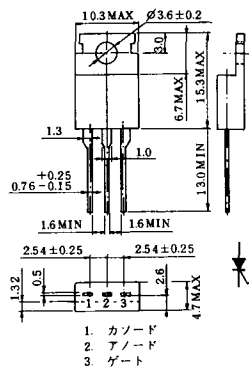
T-51 (13-10D1A)



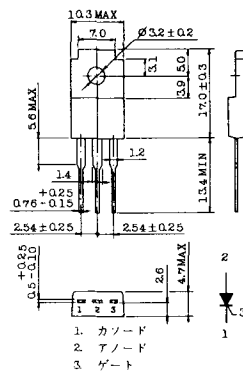
T-52 (13-10D2A)



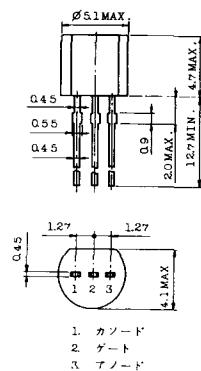
T-53 (13-10E1B)



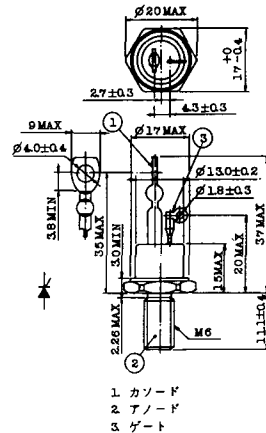
T-54 (13-10F1B)



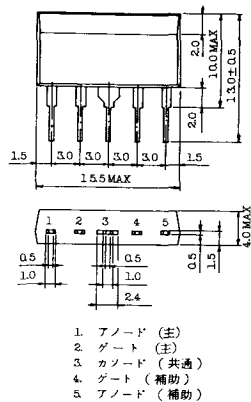
T-55 (13-5A1D)



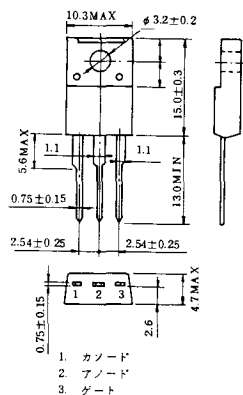
T-56 (13-13C1A)



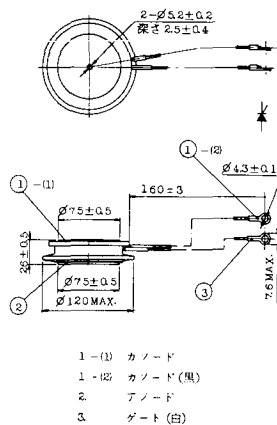
T-57 (12-16C1A)



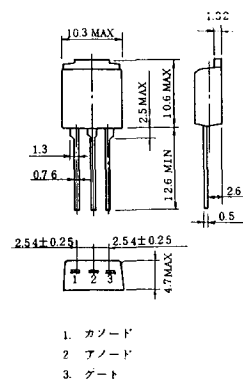
T-58 (13-10H1B)



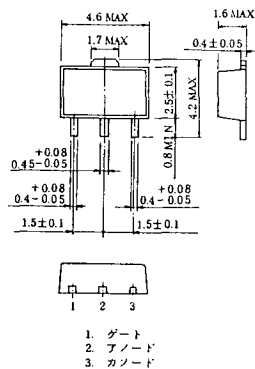
T-59 (13-120A1A)



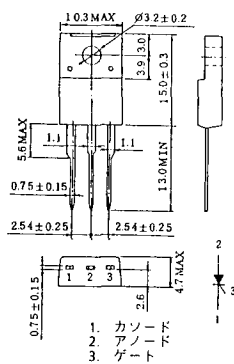
T-60



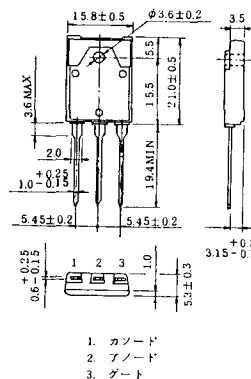
T-61 (13-5B1A)



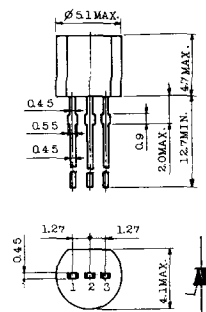
T-62 (13-10H1A)



T-63 (13-16A1B)

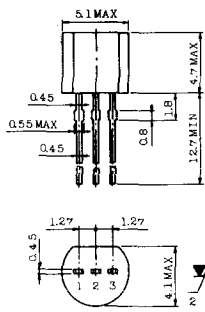


TT-1



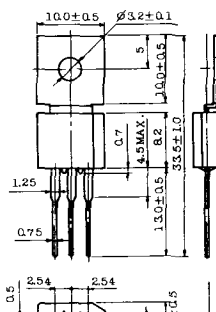
1. ゲート
2. T₂
3. T₁

TT-2



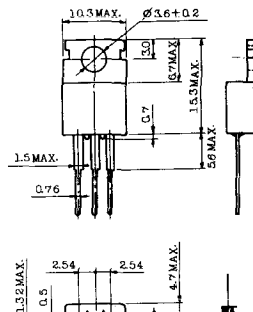
1. T₁
2. ゲート
3. T₂

TT-3



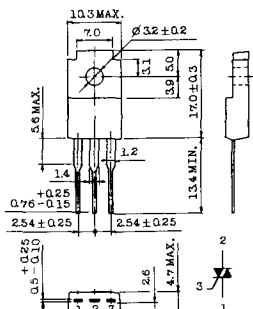
1. T₁
2. T₂
3. ゲート

TT-4



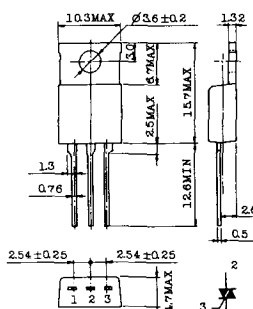
1. T₁
2. T₂
3. ゲート

TT-5



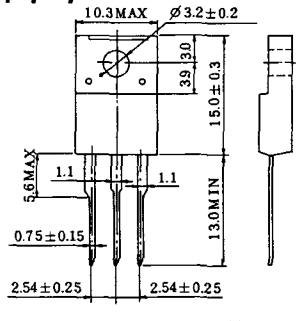
1. T₁
2. T₂
3. ゲート

TT-6



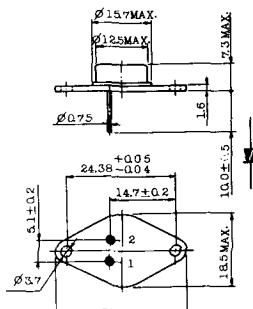
1. T₁
2. T₂ (放熱板)
3. ゲート

TT-7



1. T₁
2. T₂
3. ゲート

TT-8



1. ゲート
2. T₁
- T₂ (ケース)

TT-9



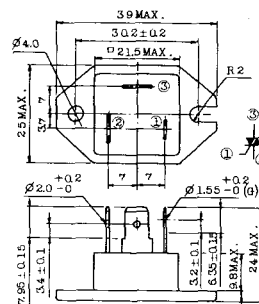
1. ゲート
2. T₁
3. T₂ (ケース)

TT-10



1. ゲート
2. T₁
3. T₂ (ケース)

TT-11



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

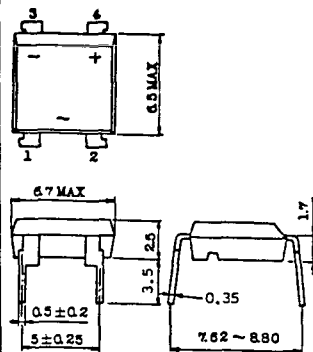
TT-12



ゲート端子詳細

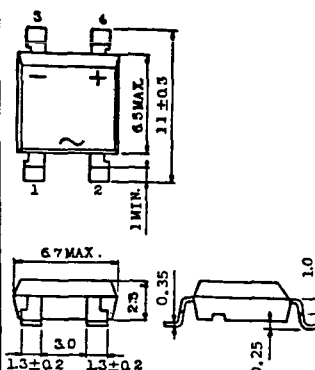
- ① ゲート (ファストン端子 #187)
- ② T₁ (" #250)
- ③ T₂ (" #250)

TT-13



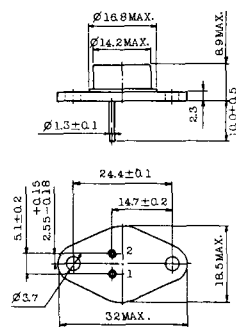
- 1, 2: T₂
- 3: GATE
- 4: T₁

TT-14



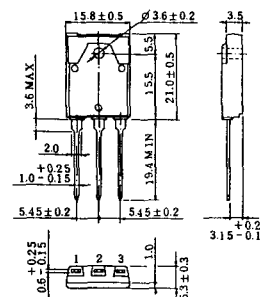
- 1, 2: T₂
- 3: GATE
- 4: T₁

TT-15 (13-14A1B)



1. ゲート
2. T₁
- T₂ (ケース)

TT-16 (13-16A1A)

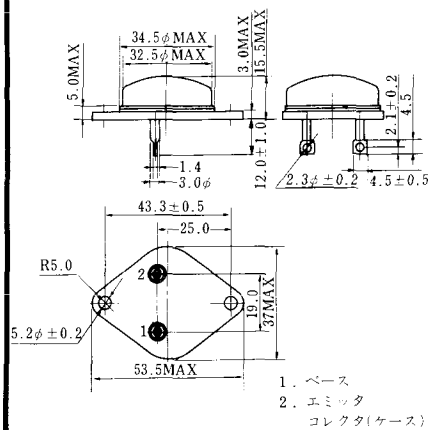


1. T₁
2. T₂
3. ゲート

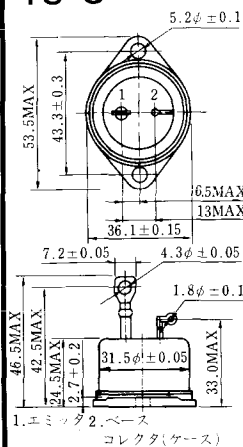
TS-1



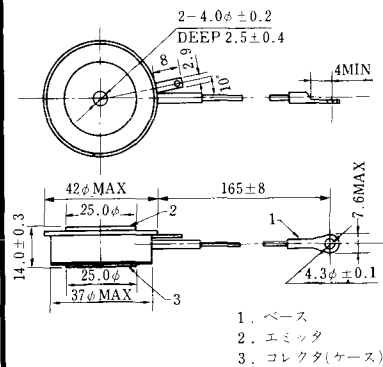
TS-2



TS-3



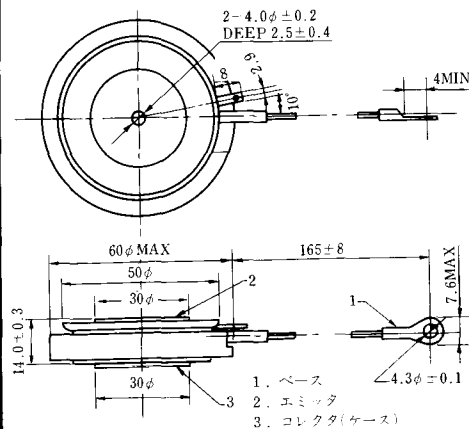
TS-4



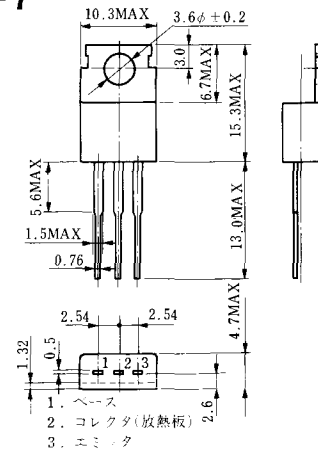
TS-5

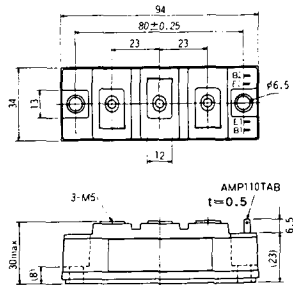
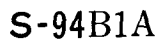
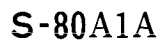


TS-6

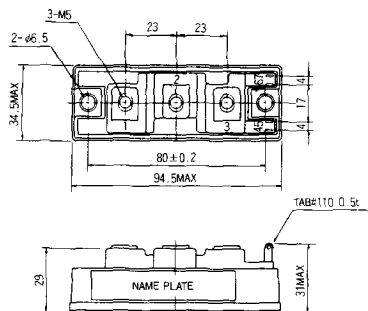


TS-7

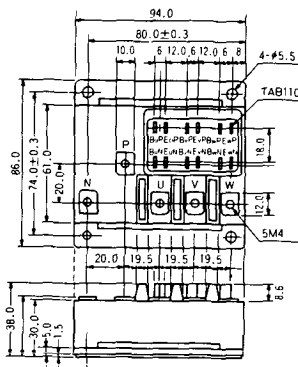




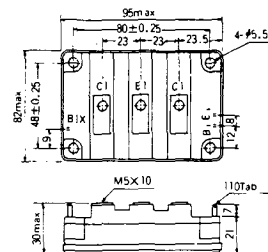
S-94B2A



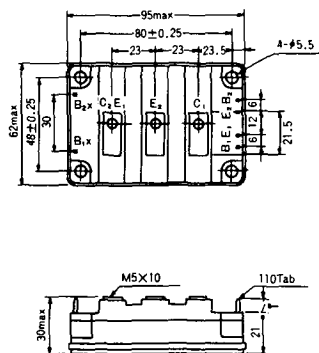
S-94D1A



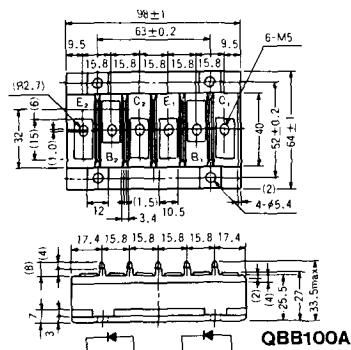
S-95A1A



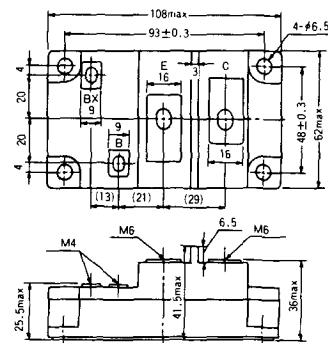
S-95B1A



S-98B1B



S-108A2A



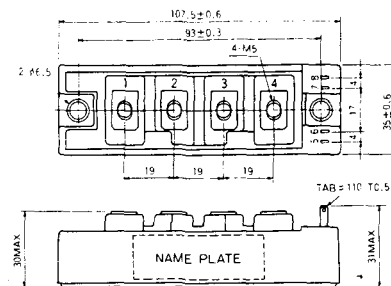
S-108B1A



S-108B1B



S-108B1C



S-108B2A



S-108B2B



2-22B1A



2-27A4A



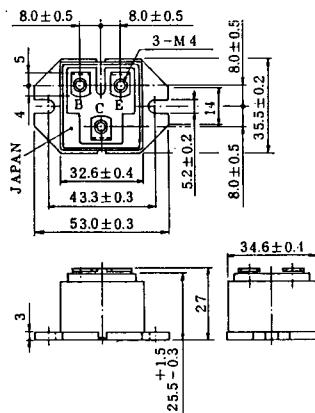
2-33C1A



2-33D1A



2-33F1A



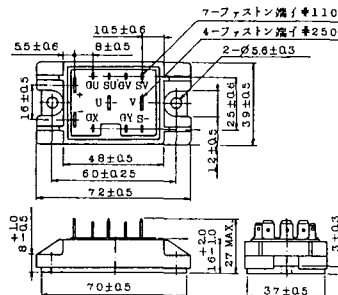
2-37A1A



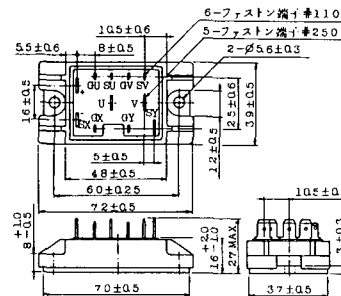
2-48A3A



2-48A3B



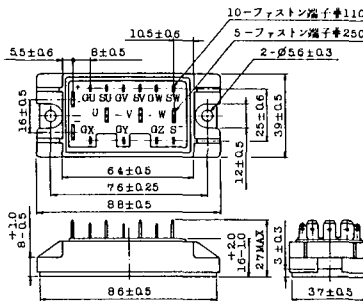
2-48A4A



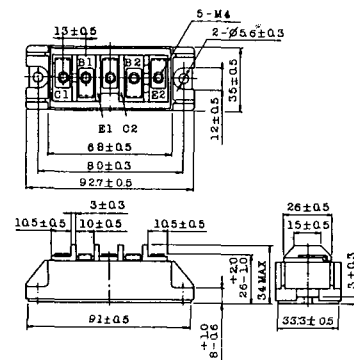
2-64A2A



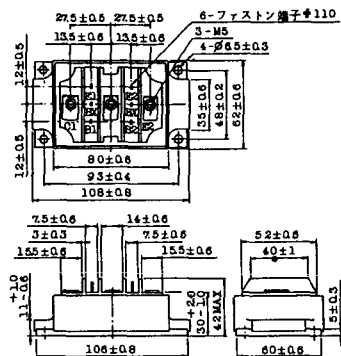
2-64A2B



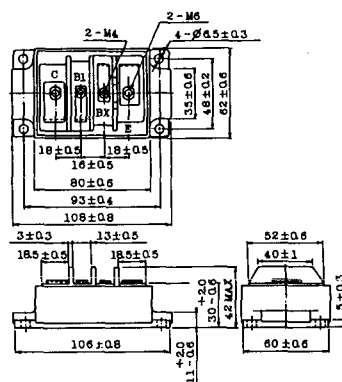
2-68A2A



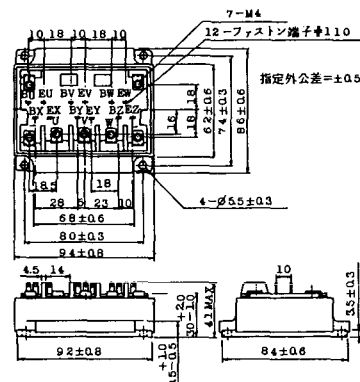
2-80C1A



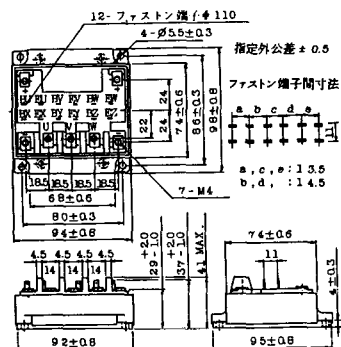
2-80D2A



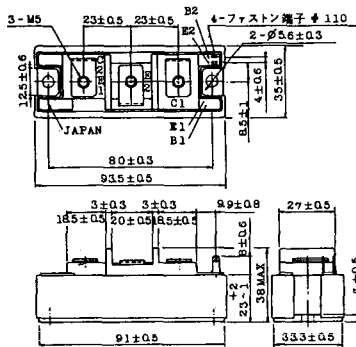
2-94A2A



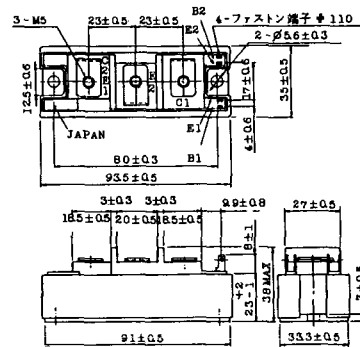
2-94B1A



2-94C2A



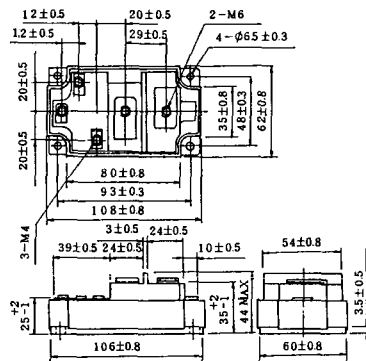
2-94C3A



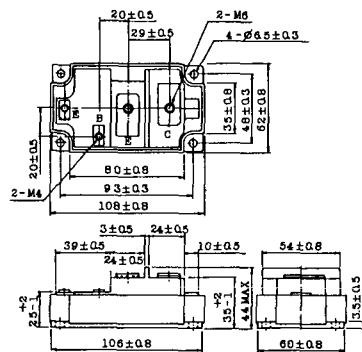
2-108B1A



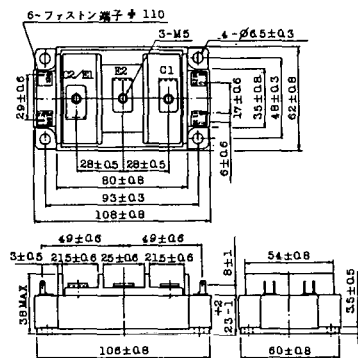
2-109A3A



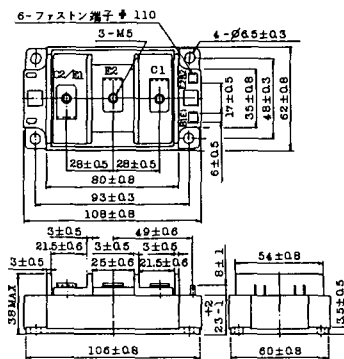
2-109A4A



2-109B3A



2-109B4A



BBT-II

BBTII
1D200A-020



BBT-III

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



BBT-III

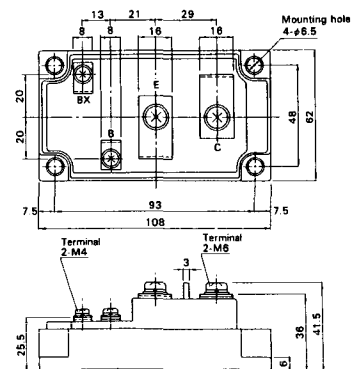
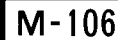
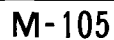
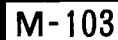
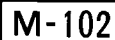
BBTIII
ETN01-055
ET1257



BBT-IV

BBTIV
1D500A-030





M-107



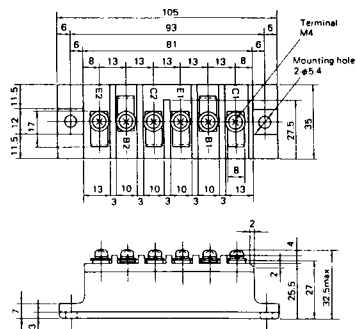
M-116



M-201



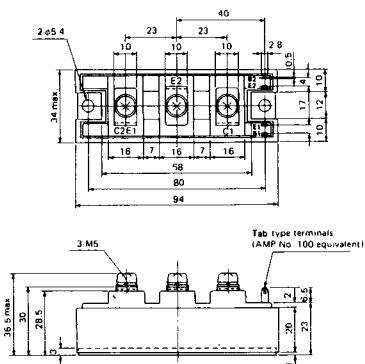
M-202



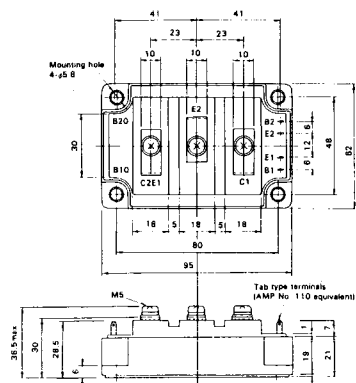
M-203



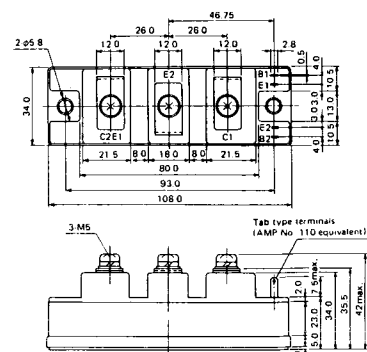
M-204



M-205



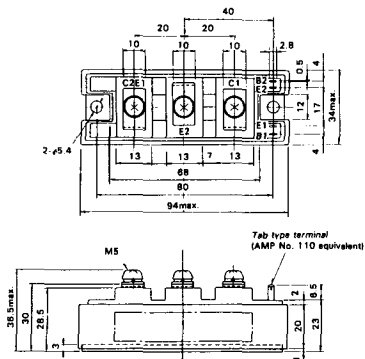
M-206



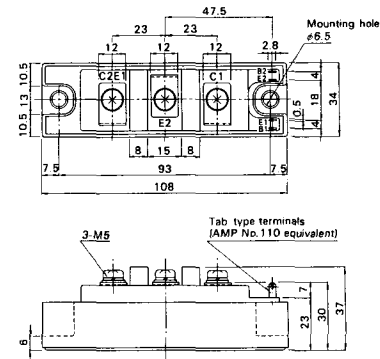
M-207



M-208



M-209



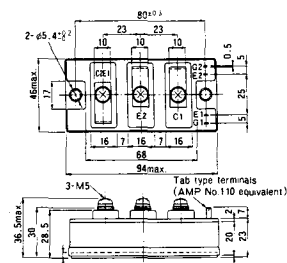
M-210



M-211



M-212



M-213



M-214

M-215



M-216



M-217



M-218



M-601



M-602



M-603



M-604



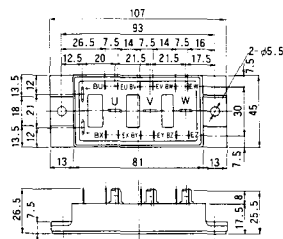
M-605



M-606



M-607



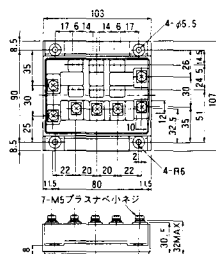
M-608



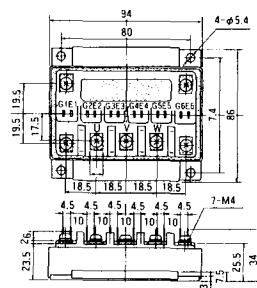
M-609



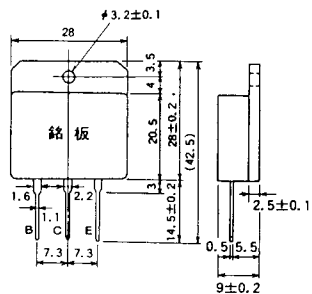
M-610



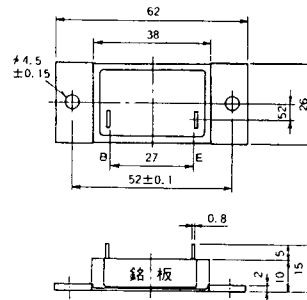
M-616



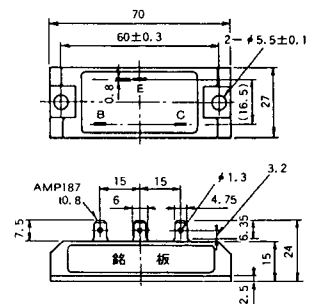
M-1A1A



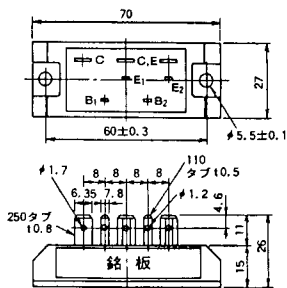
M-2A1A



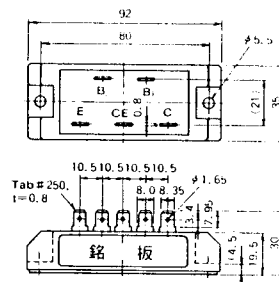
M-2B1A



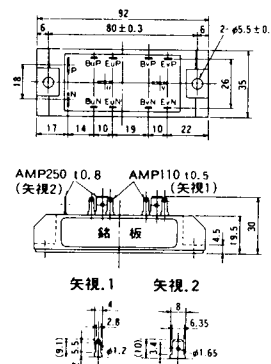
M-2B2A



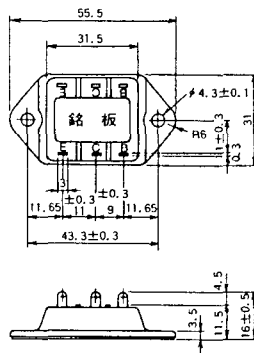
M-2C2A



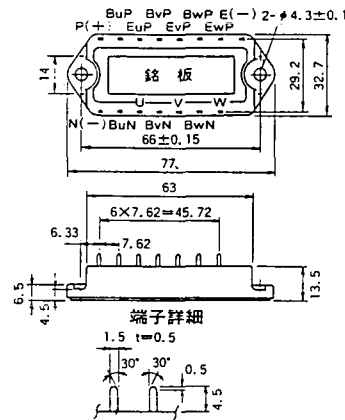
M-2D4A



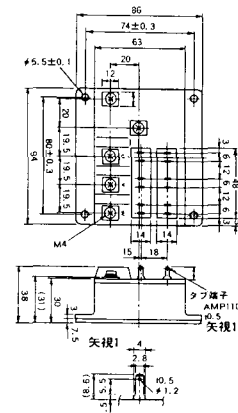
M-3C1A



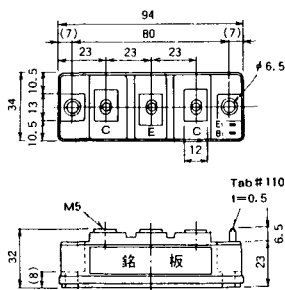
M-3D6A



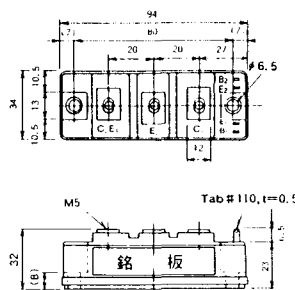
M-3E6A



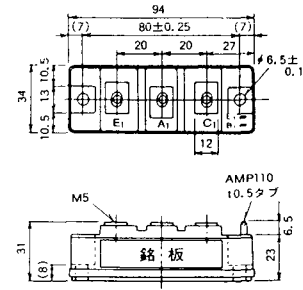
M-4A1A



M-4A2A



M-4A1B



M-4A2B



M-4B2A



M-5A1A



M-5A1B



M-5A2A



M-5B2A



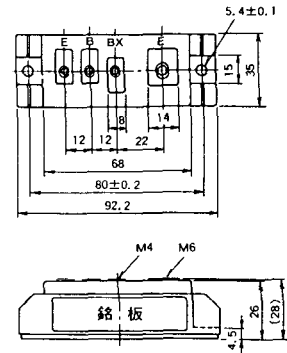
M-5C2A



M-5D2A



M-6A1A



M-7A1A



M-7B1A



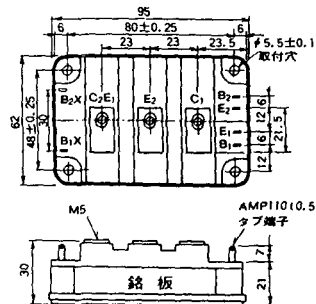
M-8A1A



M-8A1B



M-8A2A



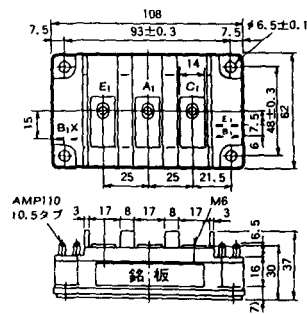
M-8A2B



M-8B2A



M-9A1A



M-9A2A



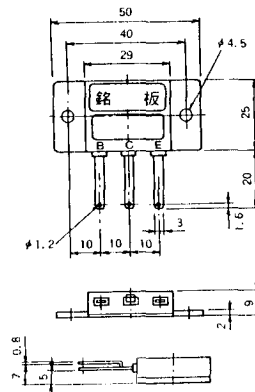
M-9B1A



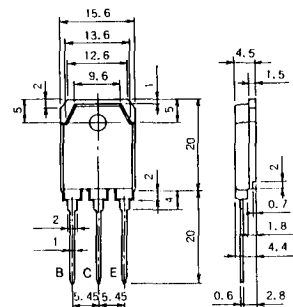
M-9C2A



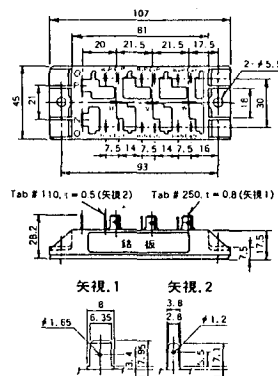
M-1A1B



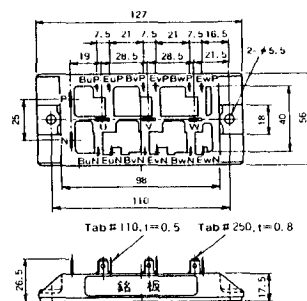
M-1A1C



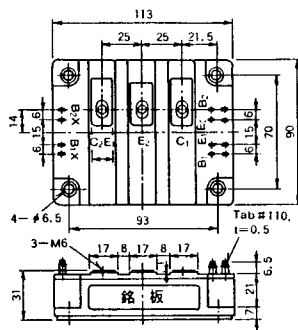
M-2E6B



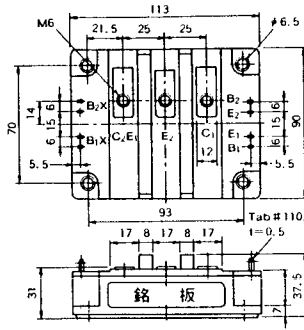
M-2E6C



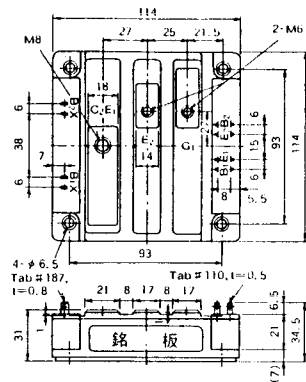
M-10A2A



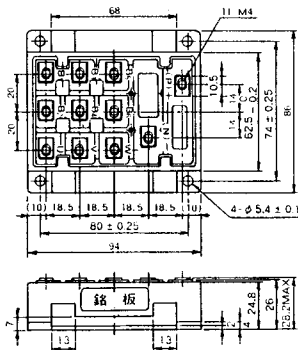
M-10A2B



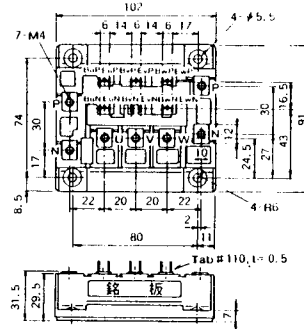
M-11A2A



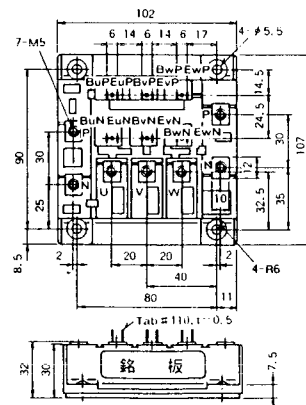
M-12A6A



M-12B6A



M-12B6B



M-4A2D



M-4A2E



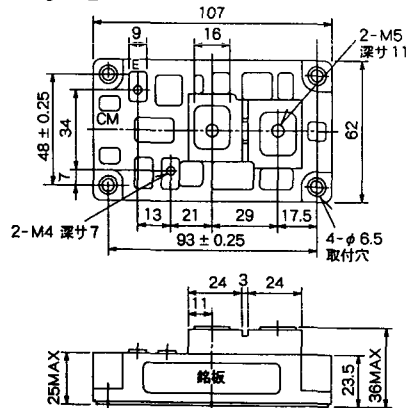
M-4C2A



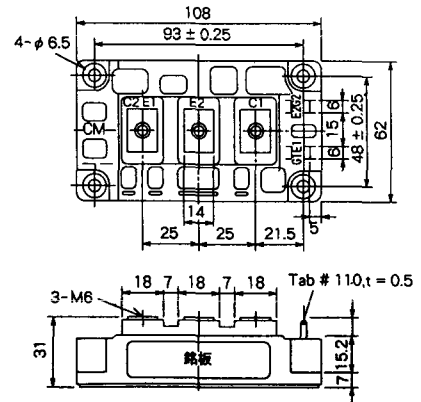
M-4C2B



M-9B1C



M-9D2A



M-9D2B



M-10A2C



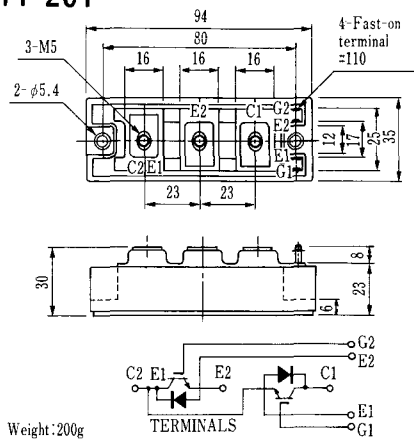
H-101



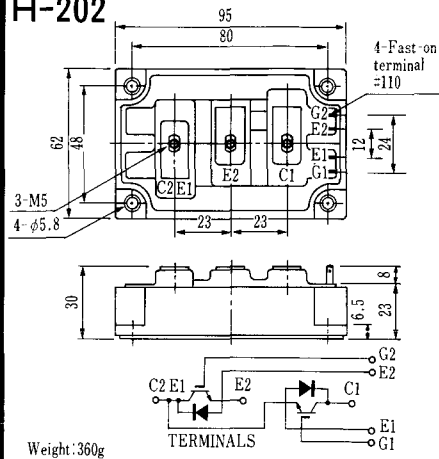
Weight :480g

TERMINALS

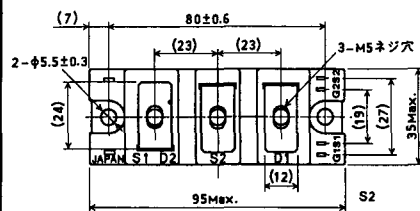
H-201



H-202



LF-J



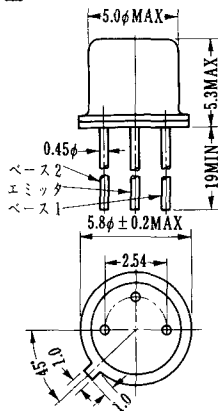
LF-K



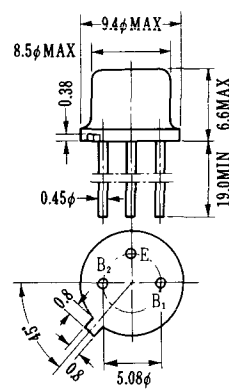
U-1



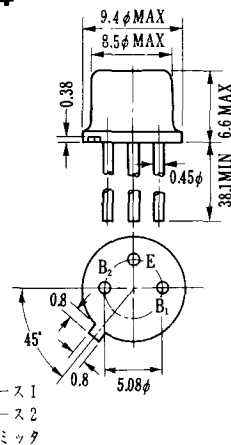
U-2



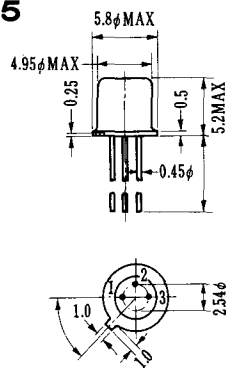
U-3



U-4

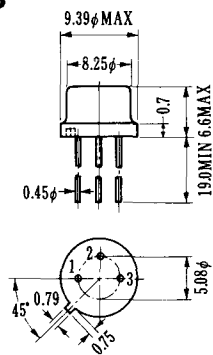


U-5



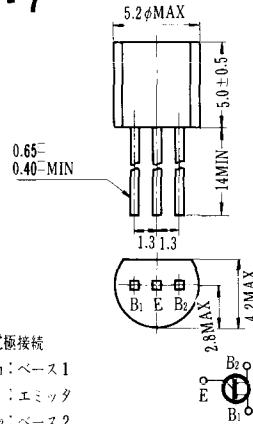
1. BASE 1
2. EMITTER
3. BASE 2 (CASE)

U-6



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

U-7



U-8

