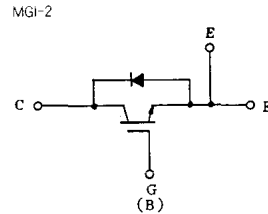
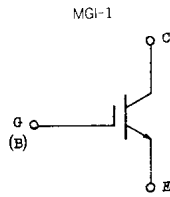


トランジスタ・モジュール (シリコンNチャネル IGBT)

- エンハンスメント・タイプ
- 電極と金属ケース部が絶縁されている

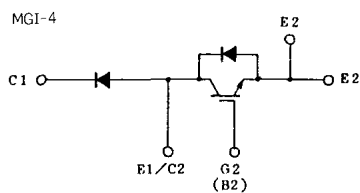
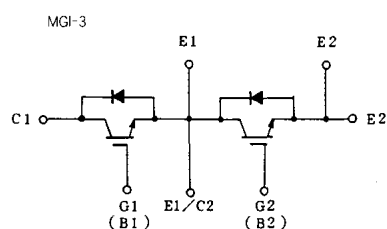
■ 等価回路



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

| 型名 | 最大定格 ($T_c = 25^\circ\text{C}$) | | | | | | | | | | 電気的特性 ($T_c = 25^\circ\text{C}$) | | | | | | | | | | | | |
|------------|-----------------------------------|-----------|-------|----------|-------|----------|-------|----------------------|----------------------|-----------|------------------------------------|----------|-----------|----------|-----------|-------|---------------|----------|---------------|-----|----------|-------|-----|
| | V_{CES} | V_{CES} | I_C | I_{CP} | I_F | I_{FM} | P_C | T_J | T_{stg} | V_{CEO} | I_{CES} | | I_{CES} | | V_{CES} | | $V_{CE(Off)}$ | | $V_{CE(sat)}$ | | | | |
| | (V) | (V) | (A) | (A) | (A) | (A) | (W) | ($^\circ\text{C}$) | ($^\circ\text{C}$) | (V) | (nA) | V_{CE} | (mA) | V_{CE} | (V) | I_C | (V) | V_{CE} | I_C | (V) | V_{CE} | I_C | |
| MG15H1BS1 | 500 | ± 20 | 15 | 30 | | | 80 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 2 | 3 | 6 | 5 | 15 | 5.0 | 15 | 15 |
| MG15N1BS1 | 1000 | ± 20 | 15 | 30 | | | 125 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 1000 | 1000 | 2 | 3 | 6 | 5 | 15 | 5.0 | 15 | 15 |
| MG15N2YS1 | 1000 | ± 20 | 15 | 30 | 15 | 30 | 125 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 1000 | 1000 | 2 | 3 | 6 | 5 | 15 | 5.0 | 15 | 15 |
| MG25H1BS1 | 500 | ± 20 | 25 | 50 | | | 125 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 25 | 5.0 | 15 | 25 |
| MG25H2YS1 | 500 | ± 20 | 25 | 50 | 25 | 50 | 125 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 25 | 5.0 | 15 | 25 |
| MG25N1BS1 | 1000 | ± 20 | 25 | 50 | | | 150 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 1000 | 1000 | 2 | 3 | 6 | 5 | 25 | 5.0 | 15 | 25 |
| MG25N2YS1 | 1000 | ± 20 | 25 | 50 | 25 | 50 | 200 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 1000 | 1000 | 2 | 3 | 6 | 5 | 25 | 5.0 | 15 | 25 |
| MG50H1BS1 | 500 | ± 20 | 50 | 100 | | | 150 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 50 | 5.0 | 15 | 50 |
| MG50H1ZS1 | 500 | ± 20 | 50 | 100 | 50 | 100 | 300 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 50 | 5.0 | 15 | 50 |
| MG50H2YS1 | 500 | ± 20 | 50 | 100 | 50 | 100 | 300 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 50 | 5.0 | 15 | 50 |
| MG50N1BS1 | 1000 | ± 20 | 50 | 100 | | | 300 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 1000 | 1000 | 2 | 3 | 6 | 5 | 50 | 5.0 | 15 | 50 |
| MG50N2YS1 | 1000 | ± 20 | 50 | 100 | 50 | 100 | 300 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 1000 | 1000 | 2 | 3 | 6 | 5 | 50 | 5.0 | 15 | 50 |
| MG75H1BS1 | 500 | ± 20 | 75 | 150 | | | 200 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 75 | 5.0 | 15 | 75 |
| MG75H2YS1 | 500 | ± 20 | 75 | 150 | 75 | 150 | 350 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 75 | 5.0 | 15 | 75 |
| MG100H1BS1 | 500 | ± 20 | 100 | 200 | | | 300 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 100 | 5.0 | 15 | 100 |
| MG100H2YS1 | 500 | ± 20 | 100 | 200 | 100 | 200 | 400 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 1.0 | 500 | 500 | 10 | 3 | 6 | 5 | 100 | 5.0 | 15 | 100 |
| MG100N2YS1 | 1000 | ± 20 | 100 | 200 | 100 | 200 | 600 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 2.0 | 1000 | 1000 | 2 | 3 | 6 | 5 | 100 | 5.0 | 15 | 100 |
| MG150H2YS1 | 500 | ± 20 | 150 | 300 | 150 | 300 | 700 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 2.0 | 500 | 500 | 10 | 3 | 6 | 5 | 150 | 5.0 | 15 | 150 |
| MG200H2YS1 | 500 | ± 20 | 200 | 400 | 200 | 400 | 800 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 2.0 | 500 | 500 | 10 | 3 | 6 | 5 | 200 | 5.0 | 15 | 200 |
| MG200N1US1 | 1000 | ± 20 | 200 | 400 | 200 | 400 | 1200 | 150 | -40~125 | 2500 | ± 500 | ± 20 | 4.0 | 1000 | 1000 | 4 | 3 | 6 | 5 | 200 | 5.0 | 15 | 200 |

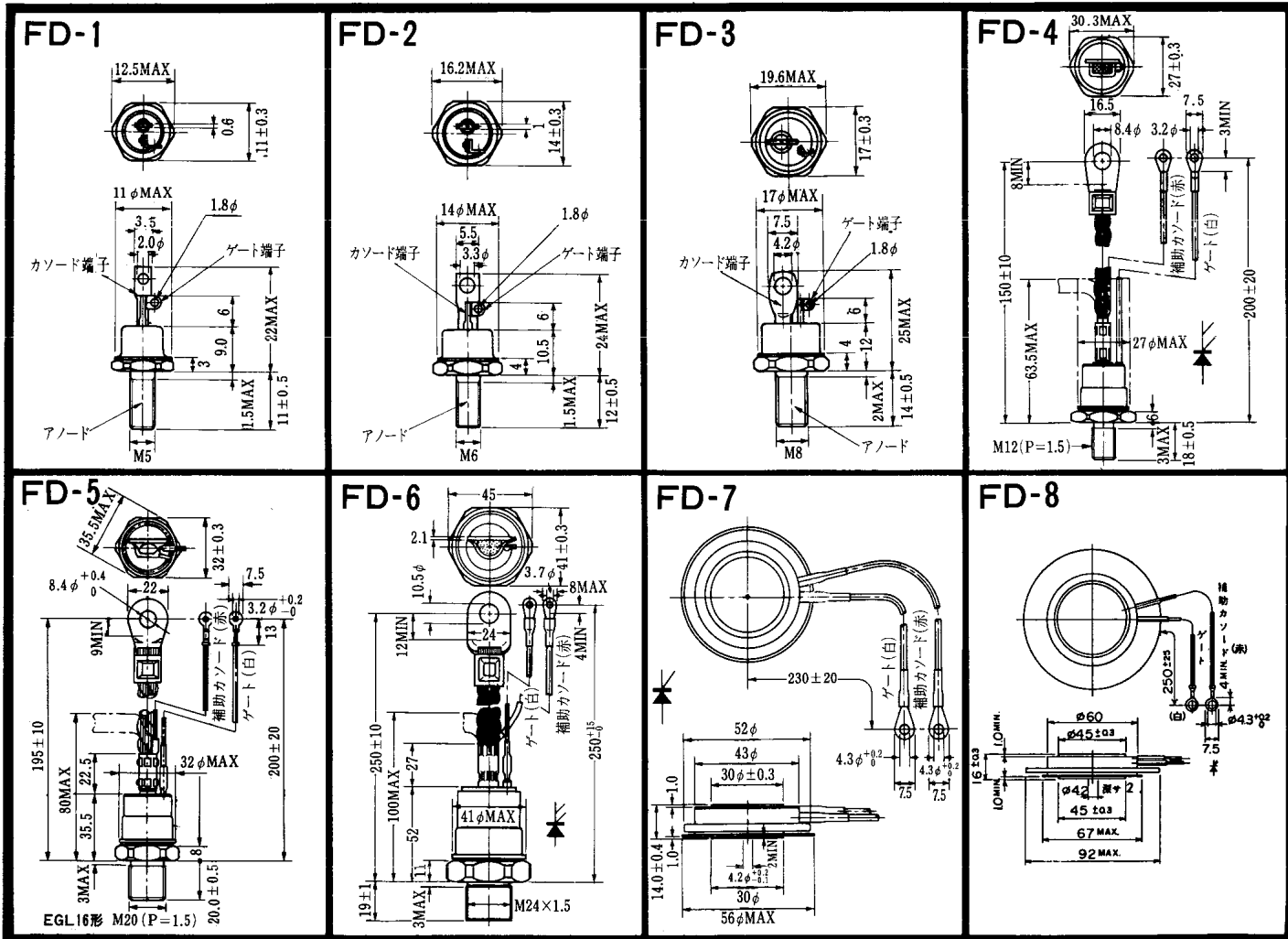
<http://store.iic.cc/>



注3. スイッチング時間の*印はTyp. 値。 注4. FD: フリーホイール・ダイオード。

| C _{iss} (pF) | スイッチング時間 (μs) | | | | | | エミッタ・コレクタ間ダイオード | | | | | | 熱抵抗 | | 等価回路 | 外形図 | 記 事 | 型 名 | | | |
|--------------------------|------------------------|------------------------|----------------------|-----------------------|----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|-------------------------|-----------------------|------------------------|------|-------|-------|-------|-----------------|----------------------------|------------|
| | V _{ce} (V) | V _{ce} (V) | t _r 最大 | t _{on} 最大 | t _f 最大 | t _{off} 最大 | R _θ (Ω) | R _L (Ω) | V _{ce} (V) | V _F (V) | I _F (A) | t _{rr} (μs) | I _R (A) | V _{oe} (V) | | | | | di/dt (A/μs) | R _{θ(j-c)} (°C/W) | |
| | | | | | | | | | | | | | | | | | | | | トランジスタ部 | フリーホイール部 |
| 1400 | 10 | 0 | 1.0 | 1.0 | 1.0 | 1.5 | 150 | 20 | 300 | | | | | | | 1.56 | | MGI-1 | 2-22B1A | | MG15H1BS1 |
| 2000 | 10 | 0 | 1.0 | 1.0 | 1.0 | 2.0 | 100 | 40 | 600 | | | | | | | 1.0 | | MGI-1 | 2-33D1A | | MG15N1BS1 |
| 2000 | 10 | 0 | 1.0 | 1.0 | 1.0 | 2.0 | 100 | 40 | 600 | 2.5 | 15 | 0.5 | 15 | -10 | 100 | 1.0 | 1.8 | MGI-3 | 2-94C3A | FD付, 2個内蔵 | MG15N2YS1 |
| 1500 | 10 | 0 | 1.0 | 1.0 | 1.0 | 1.5 | 100 | 12 | 300 | | | | | | | 1.0 | | MGI-1 | 2-33C1A | | MG25H1BS1 |
| 1500 | 10 | 0 | 1.0 | 1.0 | 1.0 | 1.5 | 100 | 12 | 300 | 2.5 | 25 | 0.5 | 25 | -10 | 50 | 1.0 | 1.25 | MGI-3 | 2-94C3A | FD付, 2個内蔵 | MG25H2YS1 |
| 3000 | 10 | 0 | 1.0 | 1.0 | 1.0 | 2.0 | 51 | 24 | 600 | | | | | | | 0.83 | | MGI-1 | 2-33D1A | | MG25N1BS1 |
| 3000 | 10 | 0 | 1.0 | 1.0 | 1.0 | 2.0 | 51 | 24 | 600 | 2.5 | 25 | 0.5 | 25 | -10 | 100 | 0.625 | 1.0 | MGI-3 | 2-94C3A | FD付, 2個内蔵 | MG25N2YS1 |
| 3000 | 10 | 0 | 1.0 | 1.0 | 1.0 | 1.5 | 51 | 6 | 300 | | | | | | | 0.83 | | MGI-1 | 2-33C1A | | MG50H1BS1 |
| 3000 | 10 | 0 | 1.0 | 1.0 | 1.0 | 1.5 | 51 | 6 | 300 | 2.5 | 50 | 0.5 | 50 | -10 | 100 | 0.41 | 0.83 | MGI-4 | 2-94C2A | FD付 | MG50H1ZS1 |
| 3000 | 10 | 0 | 1.0 | 1.0 | 1.0 | 1.5 | 51 | 6 | 300 | 2.5 | 50 | 0.5 | 50 | -10 | 100 | 0.41 | 0.83 | MGI-3 | 2-94C3A | FD付, 2個内蔵 | MG50H2YS1 |
| 7200 | 10 | 0 | 1.0 | 1.0 | 1.0 | 1.5 | 24 | 12 | 600 | | | | | | | 0.41 | | MGI-1 | 2-33D1A | | MG50N1BS1 |
| 7200 | 10 | 0 | 1.0 | 1.0 | 1.0 | 1.5 | 24 | 12 | 600 | 2.5 | 50 | 0.5 | 50 | -10 | 100 | 0.41 | 1.0 | MGI-3 | 2-94C3A | FD付, 2個内蔵 | MG50N2YS1 |
| 5600 | 10 | 0 | 1.5 | 1.5 | 1.0 | 1.5 | 33 | 4 | 300 | | | | | | | 0.625 | | MGI-1 | 2-33C1A | | MG75H1BS1 |
| 5600 | 10 | 0 | 1.5 | 1.5 | 1.0 | 1.5 | 33 | 4 | 300 | 2.5 | 75 | 0.5 | 75 | -10 | 100 | 0.35 | 0.83 | MGI-3 | 2-94C3A | FD付, 2個内蔵 | MG75H2YS1 |
| 7200 | 10 | 0 | 1.5 | 1.5 | 1.0 | 1.5 | 24 | 3 | 300 | | | | | | | 0.41 | | MGI-1 | 2-33C1A | | MG100H1BS1 |
| 7200 | 10 | 0 | 1.5 | 1.5 | 1.0 | 1.5 | 24 | 3 | 300 | 2.5 | 100 | 0.5 | 100 | -10 | 100 | 0.31 | 0.83 | MGI-3 | 2-94C3A | FD付, 2個内蔵 | MG100H2YS1 |
| 15000 | 10 | 0 | 1.0 | 1.0 | 1.0 | 2.0 | 12 | 6 | 600 | 3.0 | 100 | 0.5 | 100 | -10 | 200 | 0.208 | 0.5 | MGI-3 | 2-109B4A | FD付, 2個内蔵 | MG100N2YS1 |
| 11000 | 10 | 0 | 1.5 | 1.5 | 1.0 | 1.5 | 16 | 2 | 300 | 2.5 | 150 | 0.5 | 150 | -10 | 200 | 0.178 | 0.415 | MGI-3 | 2-96A4A | FD付, 2個内蔵 | MG150H2YS1 |
| 15000 | 10 | 0 | 1.5 | 1.5 | 1.0 | 1.5 | 12 | 1.5 | 300 | 2.5 | 200 | 0.5 | 200 | -10 | 200 | 0.156 | 0.415 | MGI-3 | 2-96A4A | FD付, 2個内蔵 | MG200H2YS1 |
| 30000 | 10 | 0 | 1.5 | 2.0 | 1.0 | 2.0 | 6.2 | 3 | 600 | 3.0 | 200 | 0.5 | 200 | -10 | 300 | 0.104 | 0.25 | MGI-2 | 2-109A4A | FD付 | MG200N1US1 |

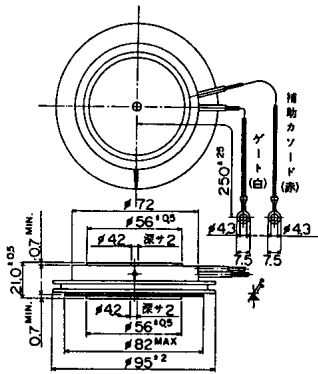
<http://store.iicc.cc/>



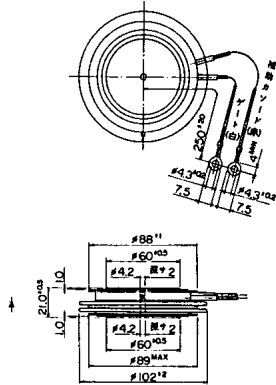
<http://store.iicc/>

〈寸法図単位:mm〉

FD-9

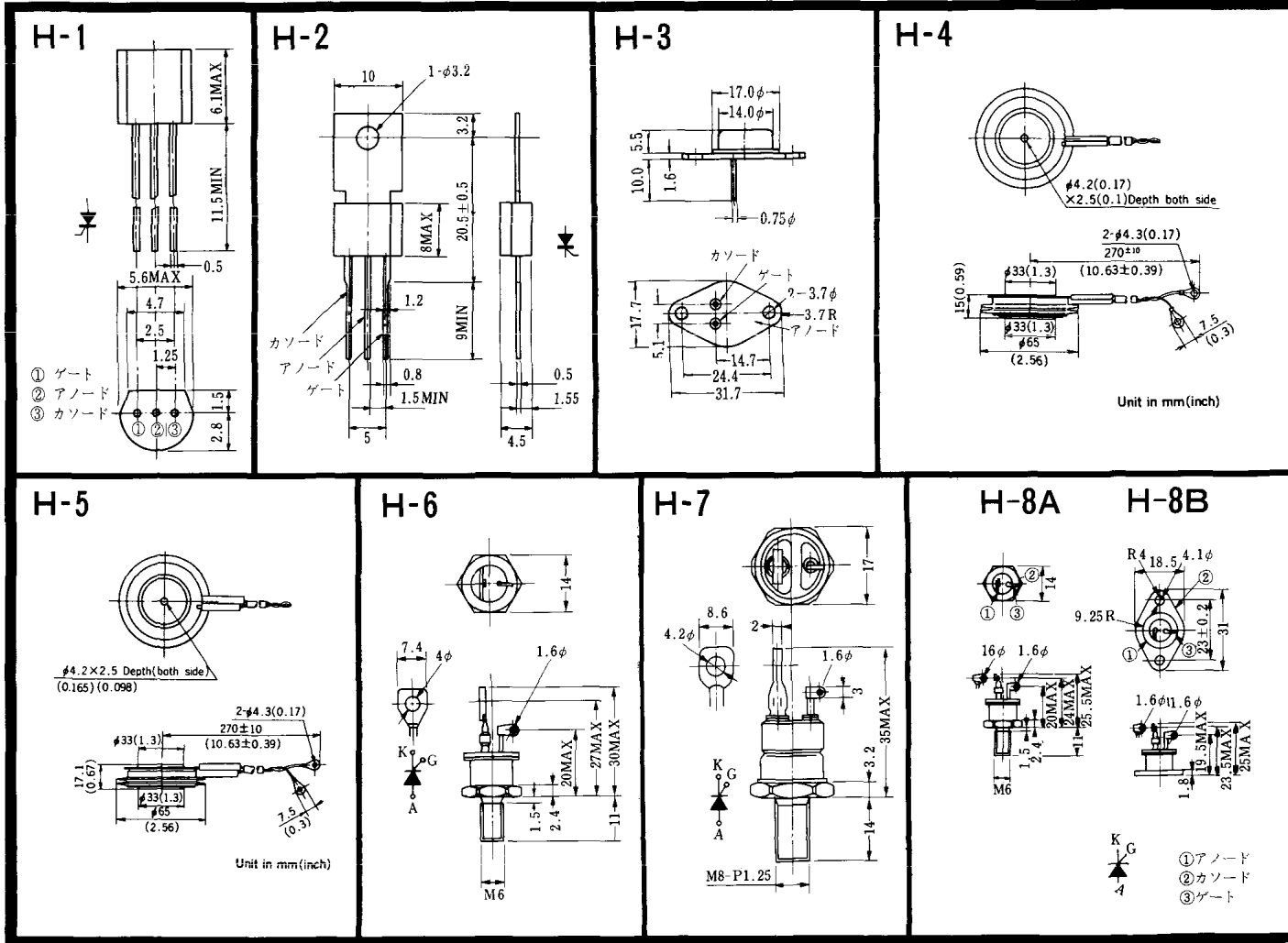


FD-10



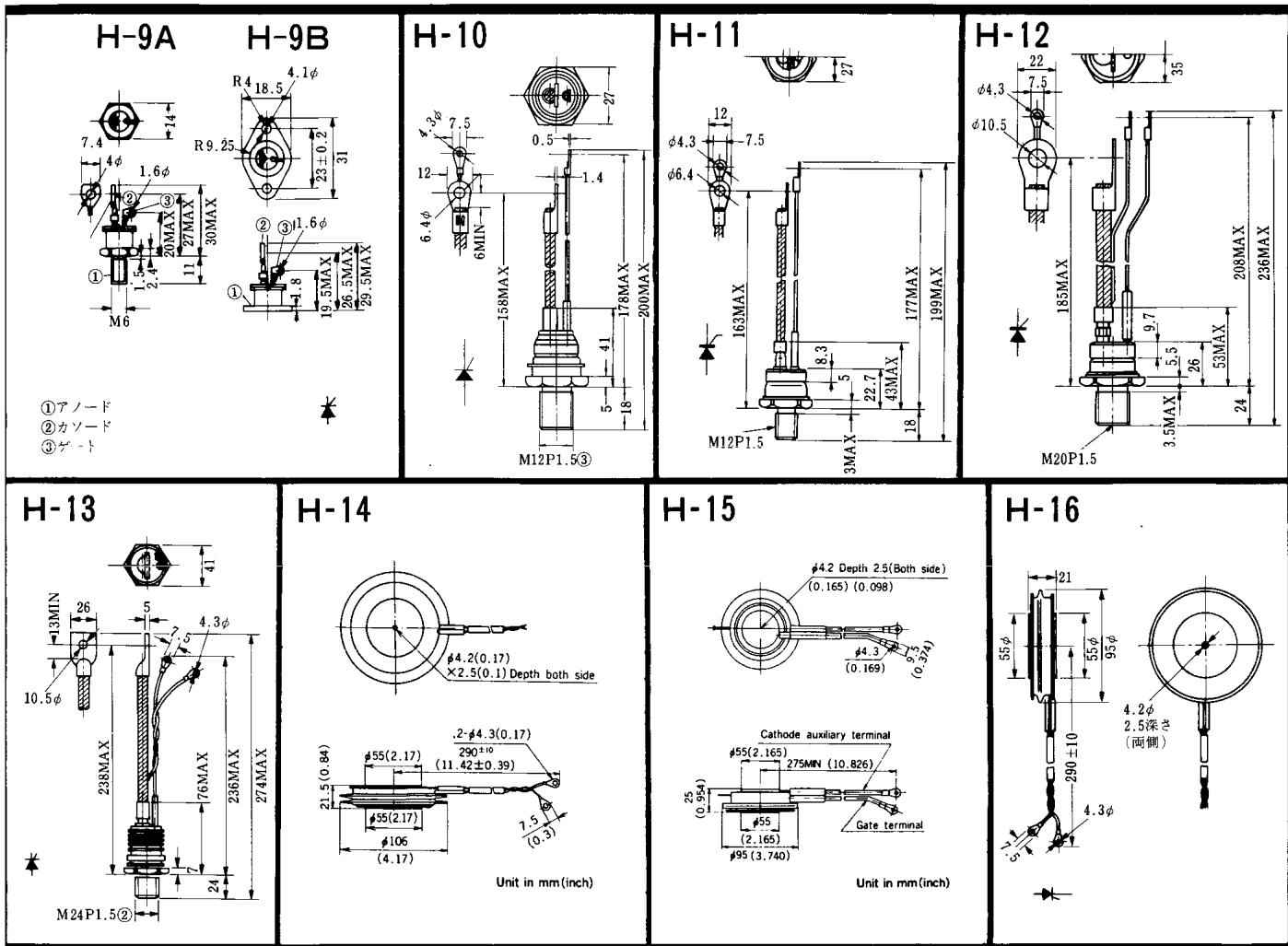
FD-11

FD-12



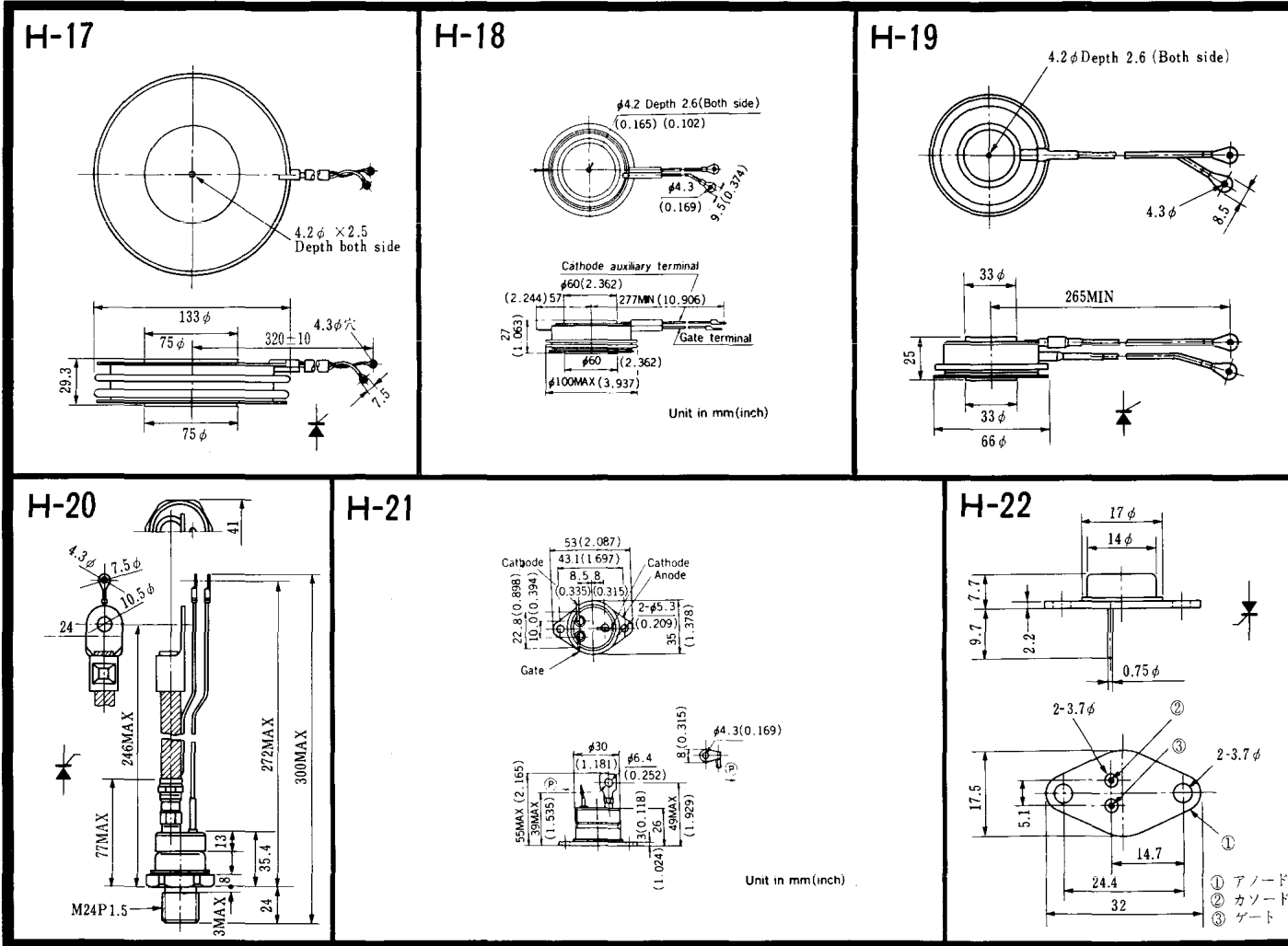
〈寸法図単位：mm〉

<http://store.iicc.cc/>



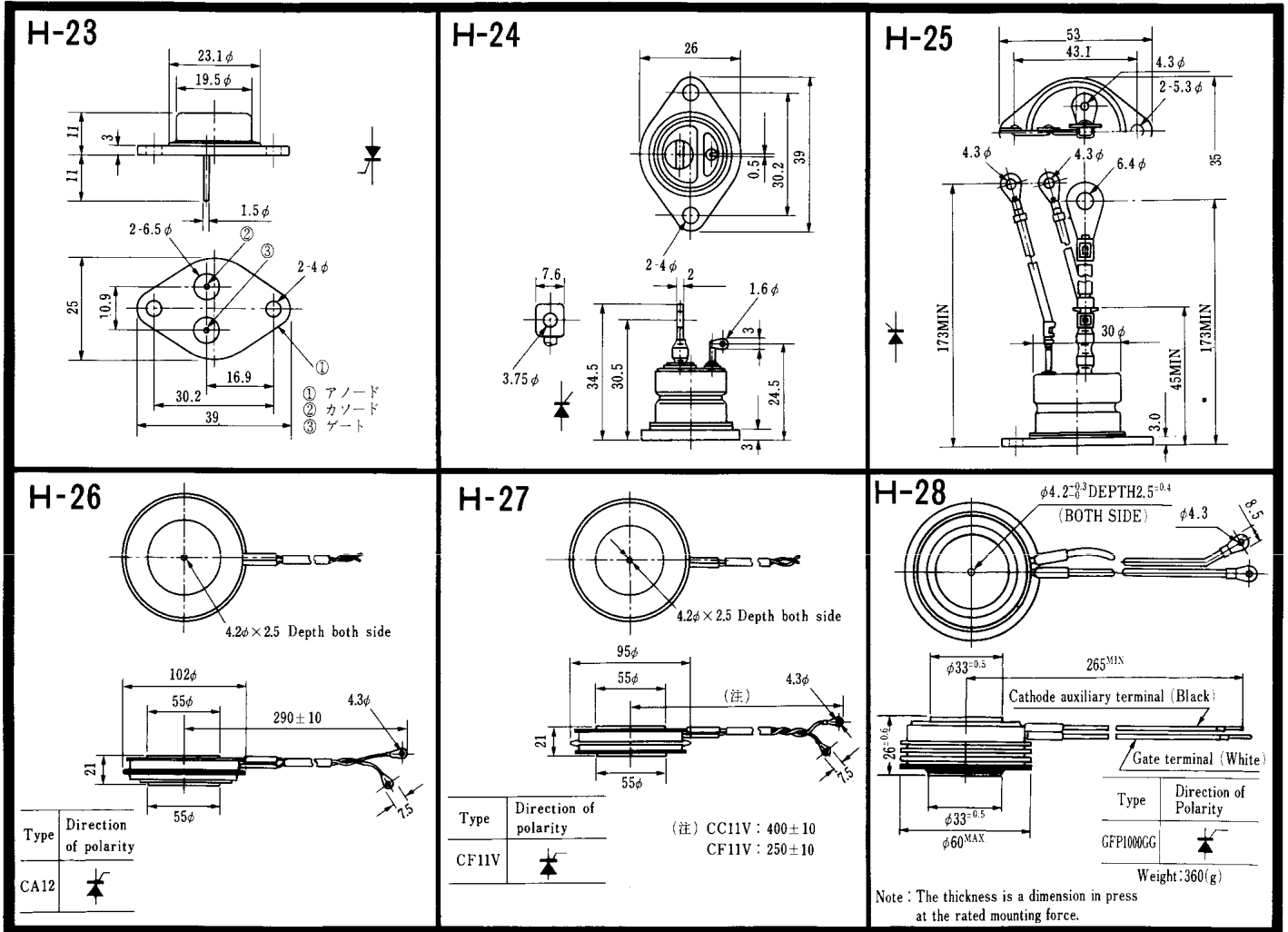
《寸法図単位：mm》

<http://store.iicc.cc/>



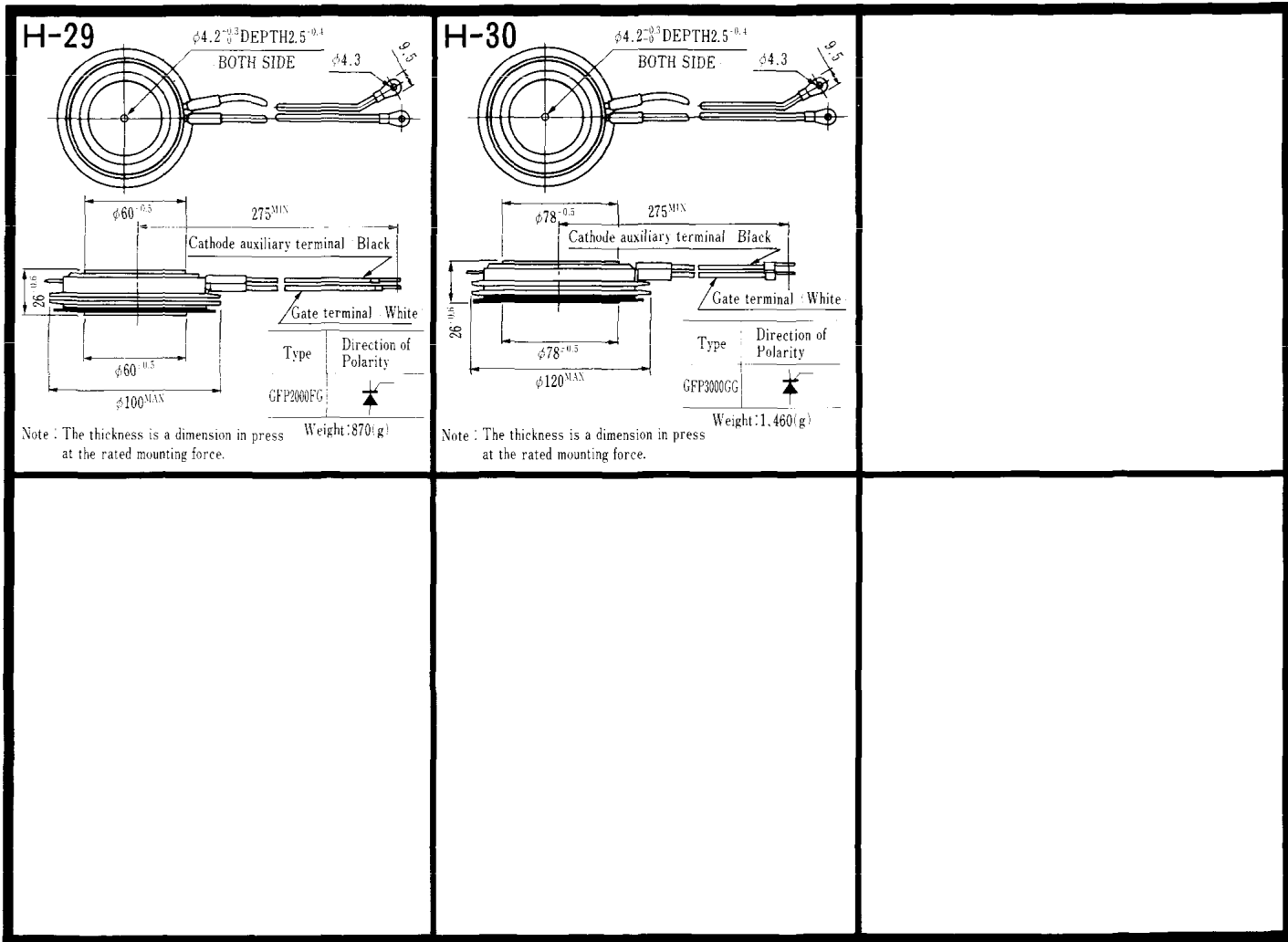
《寸法図単位：mm》

<http://store.iic.cc/>



《寸法図単位：mm》

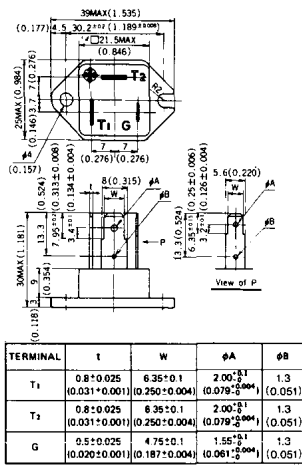
<http://store.iicc.cc/>



<寸法図単位:mm>

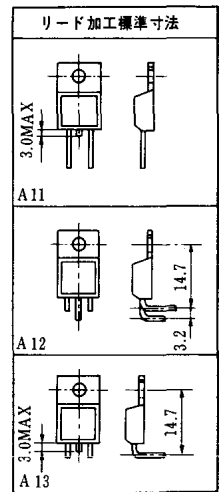
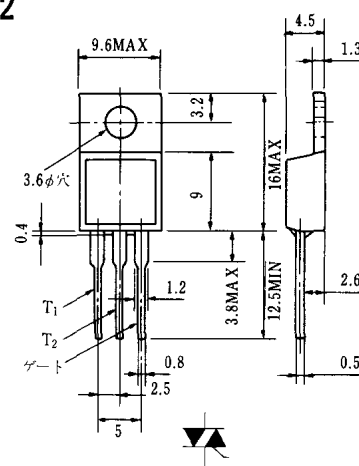
<http://store.iic.cc/>

HT-1

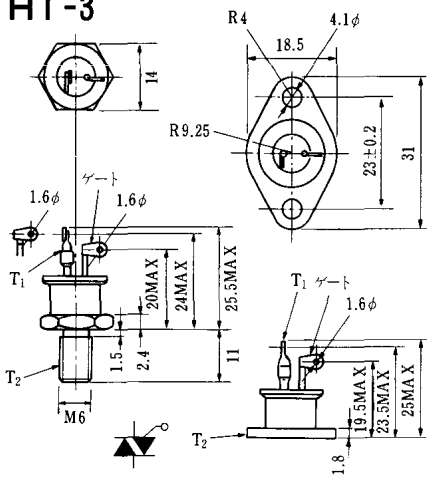


Unit in mm (inch)

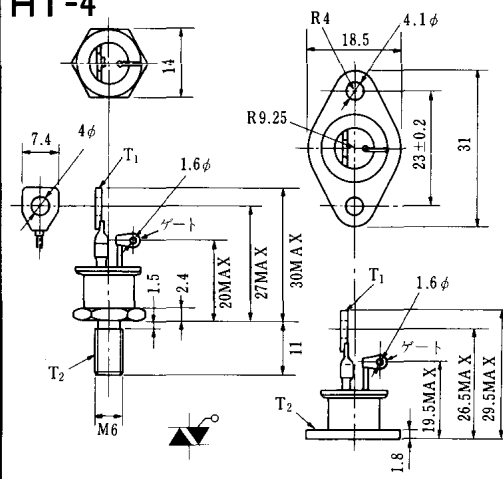
HT-2



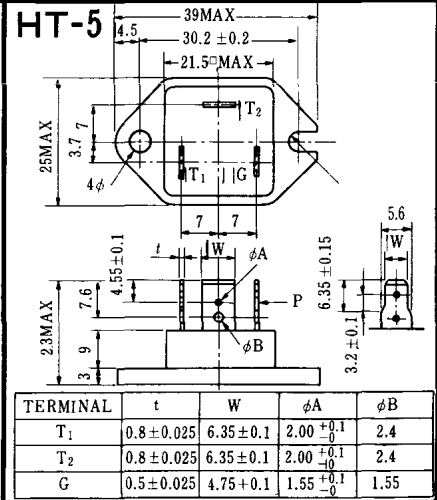
HT-3



HT-4

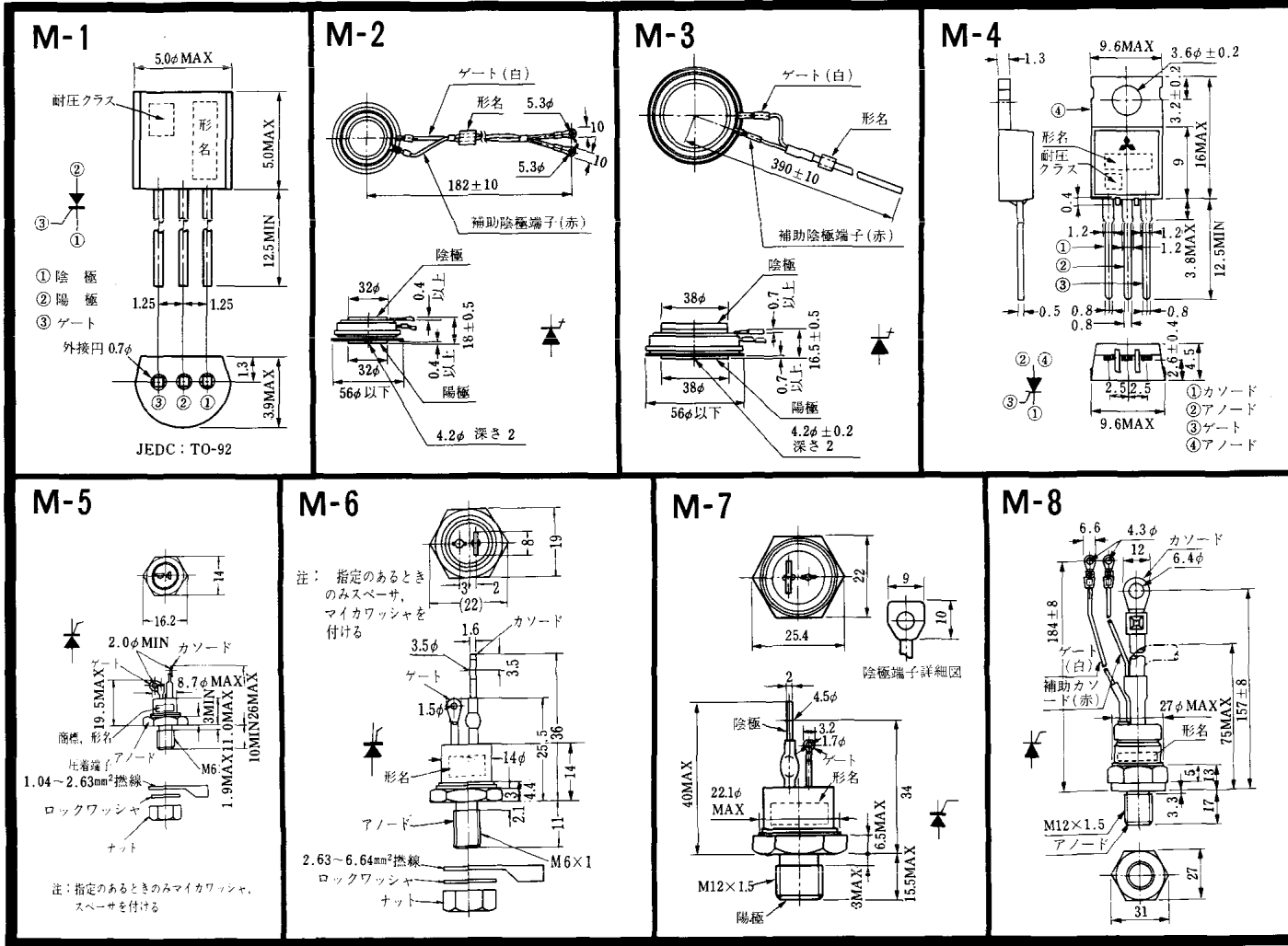


HT-5



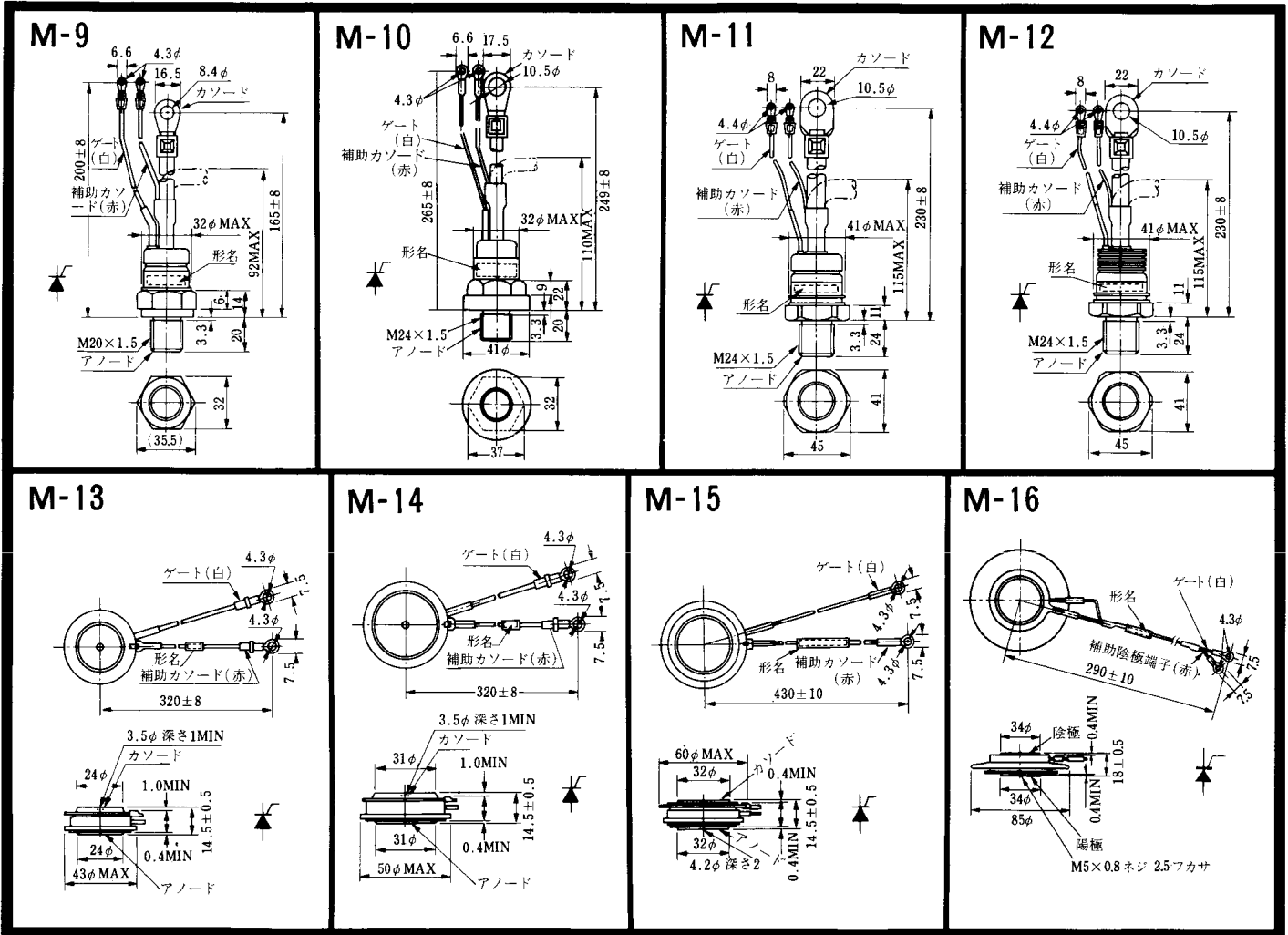
《寸法図単位：mm》

<http://store.iic.cc/>



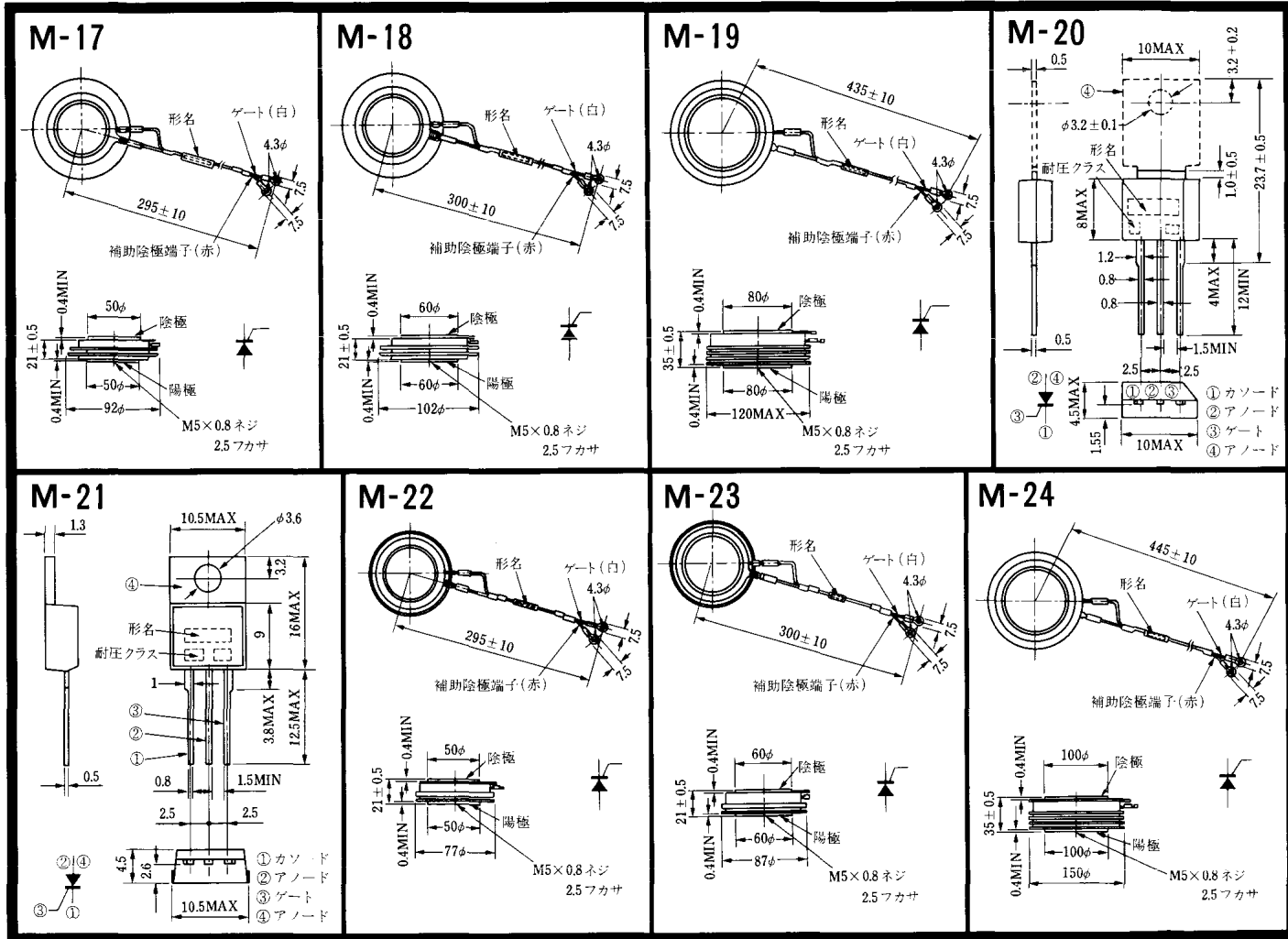
《寸法図単位: mm》

<http://store.iic.cc/>



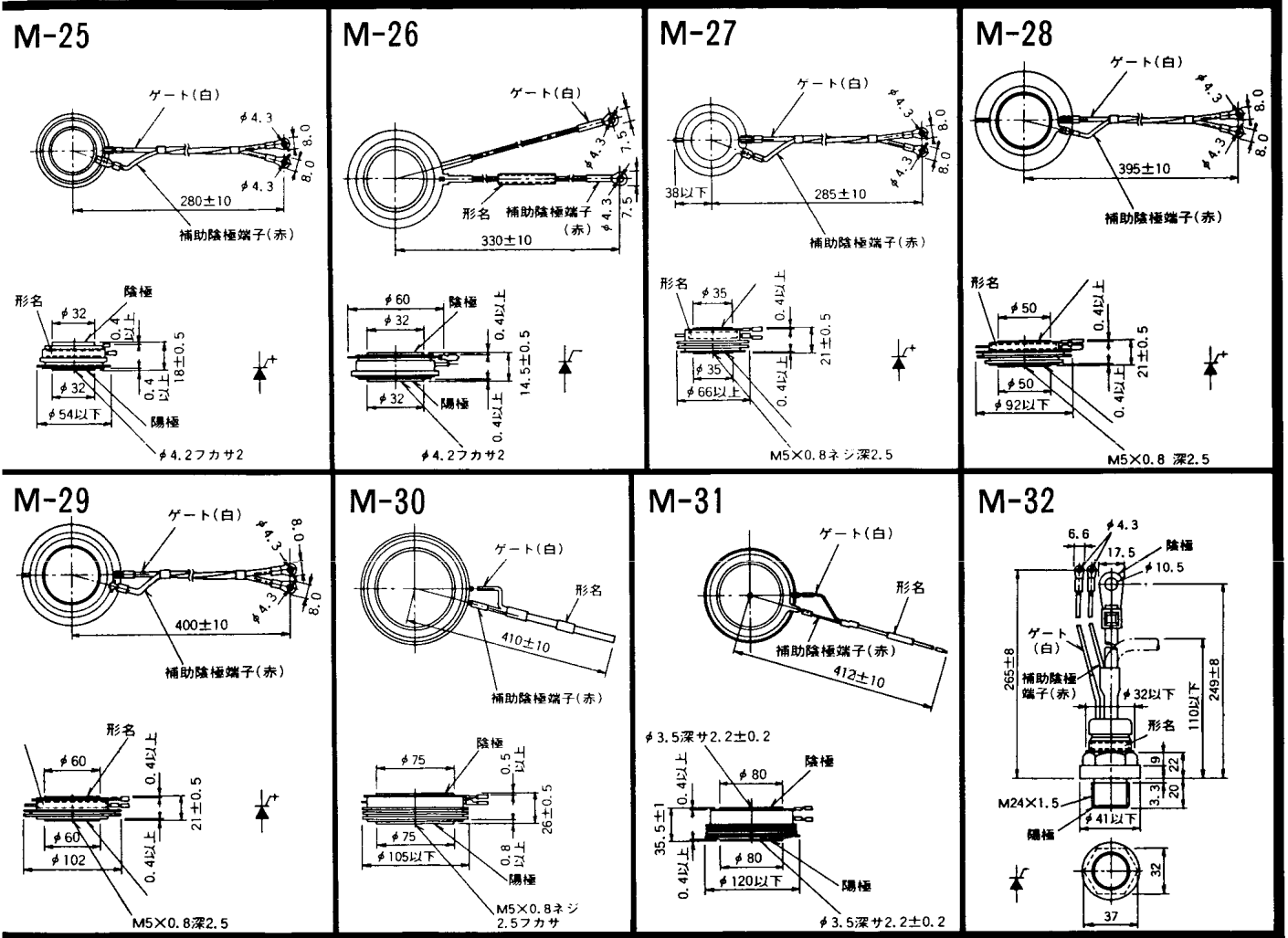
〈寸法図単位：mm〉

<http://store.iicc.cc/>



《寸法図単位：mm》

<http://store.iic.cc/>



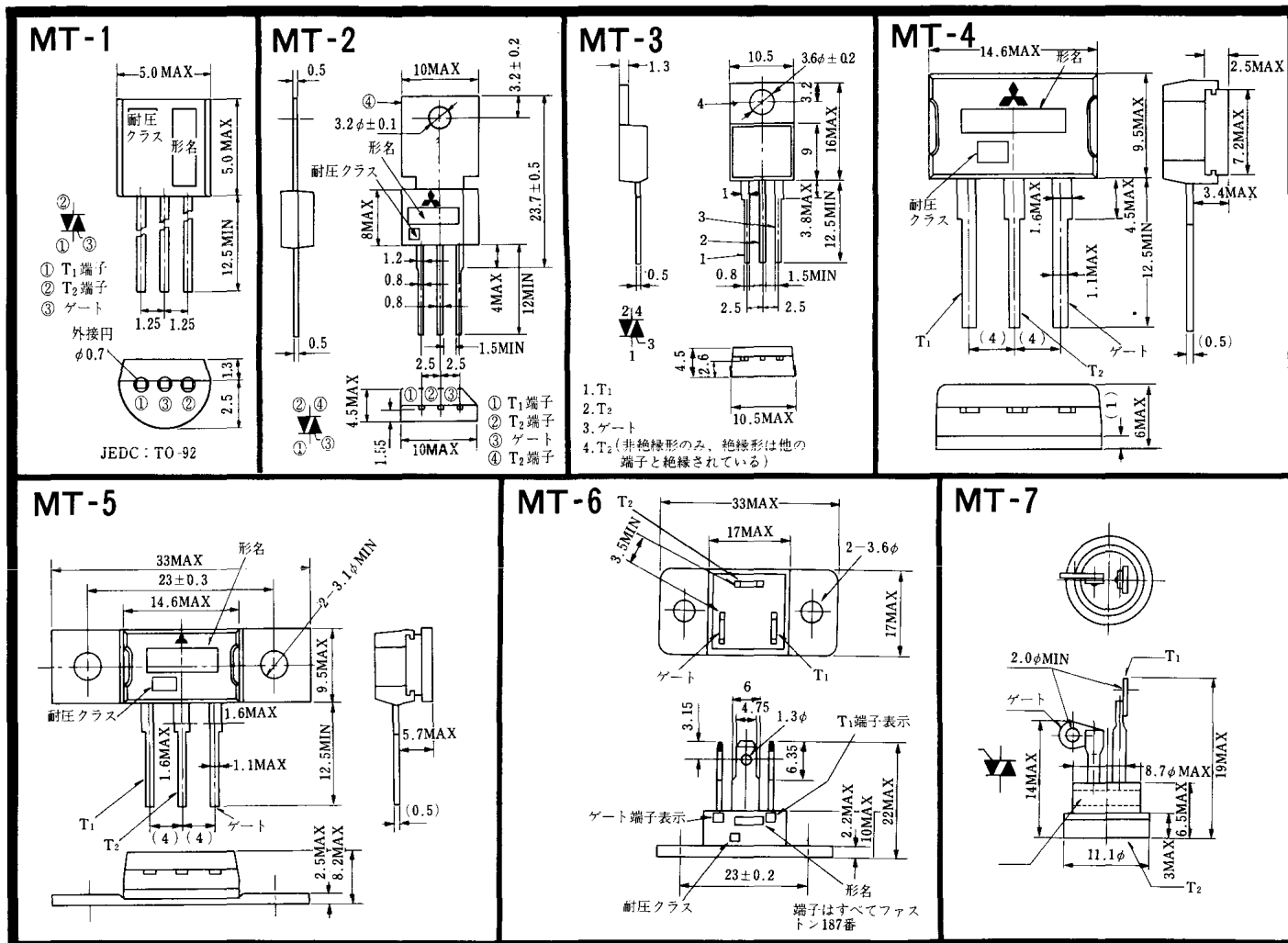
《寸法図単位：mm》

<http://store.iicc.cc/>

| | | | |
|--------------------|----------------------------------|--|--|
| <p>M-33</p> | <p>M-34</p> <p>TO-202</p> | | |
| | | | |

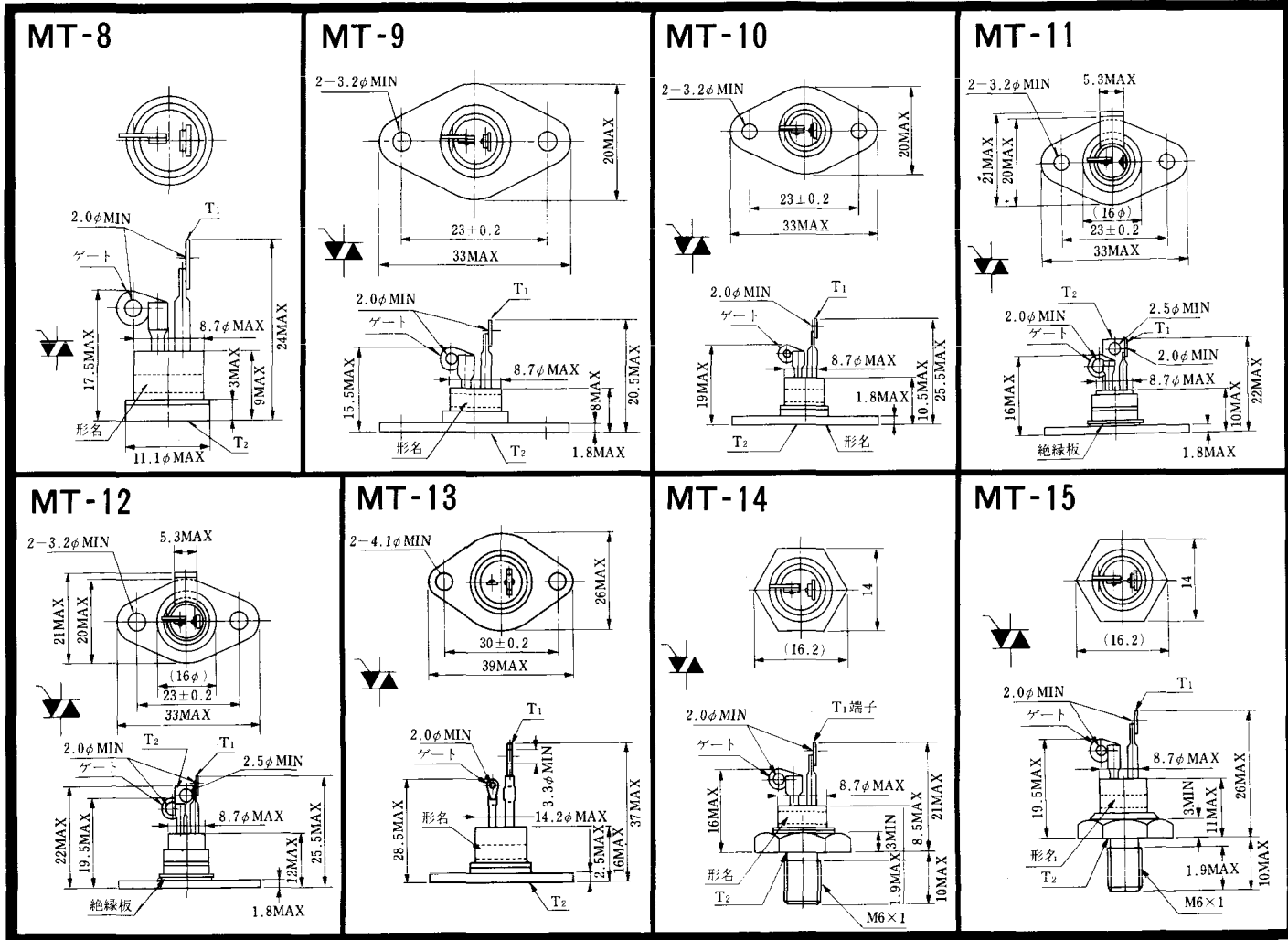
〈寸法図単位:mm〉

<http://store.iic.cc/>



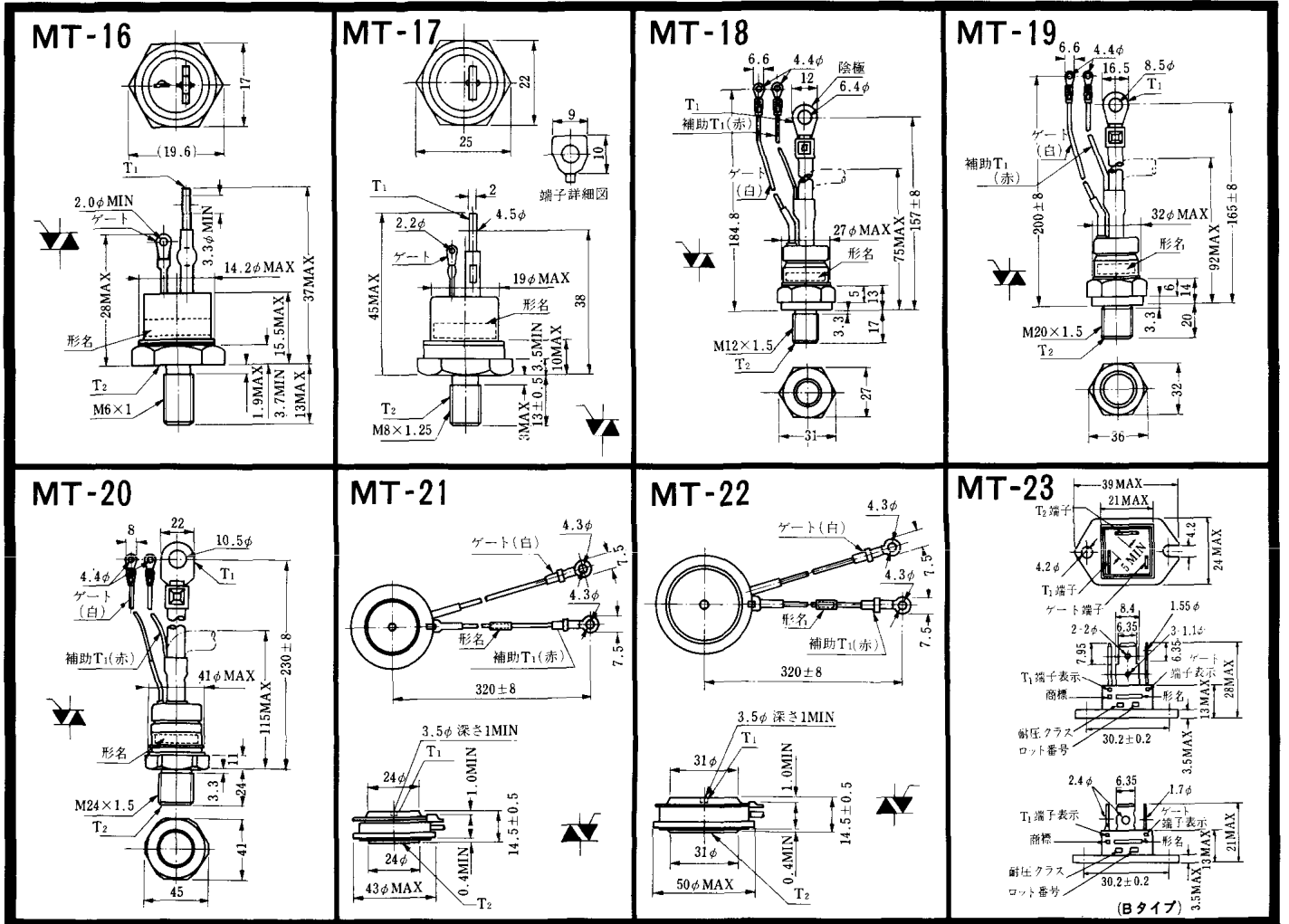
《寸法図単位：mm》

<http://store.iic.cc/>



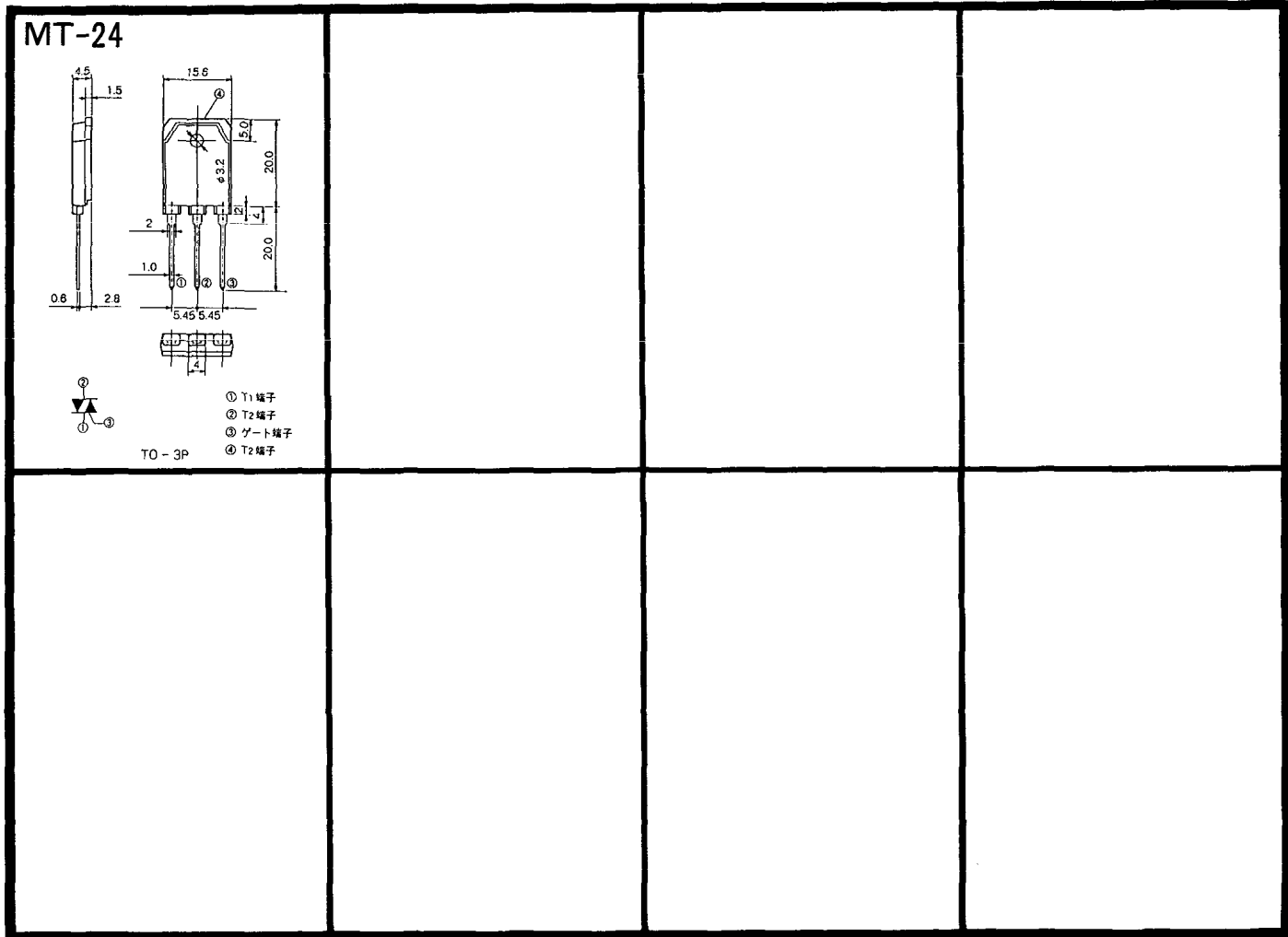
《寸法図単位：mm》

<http://store.iic.cc/>



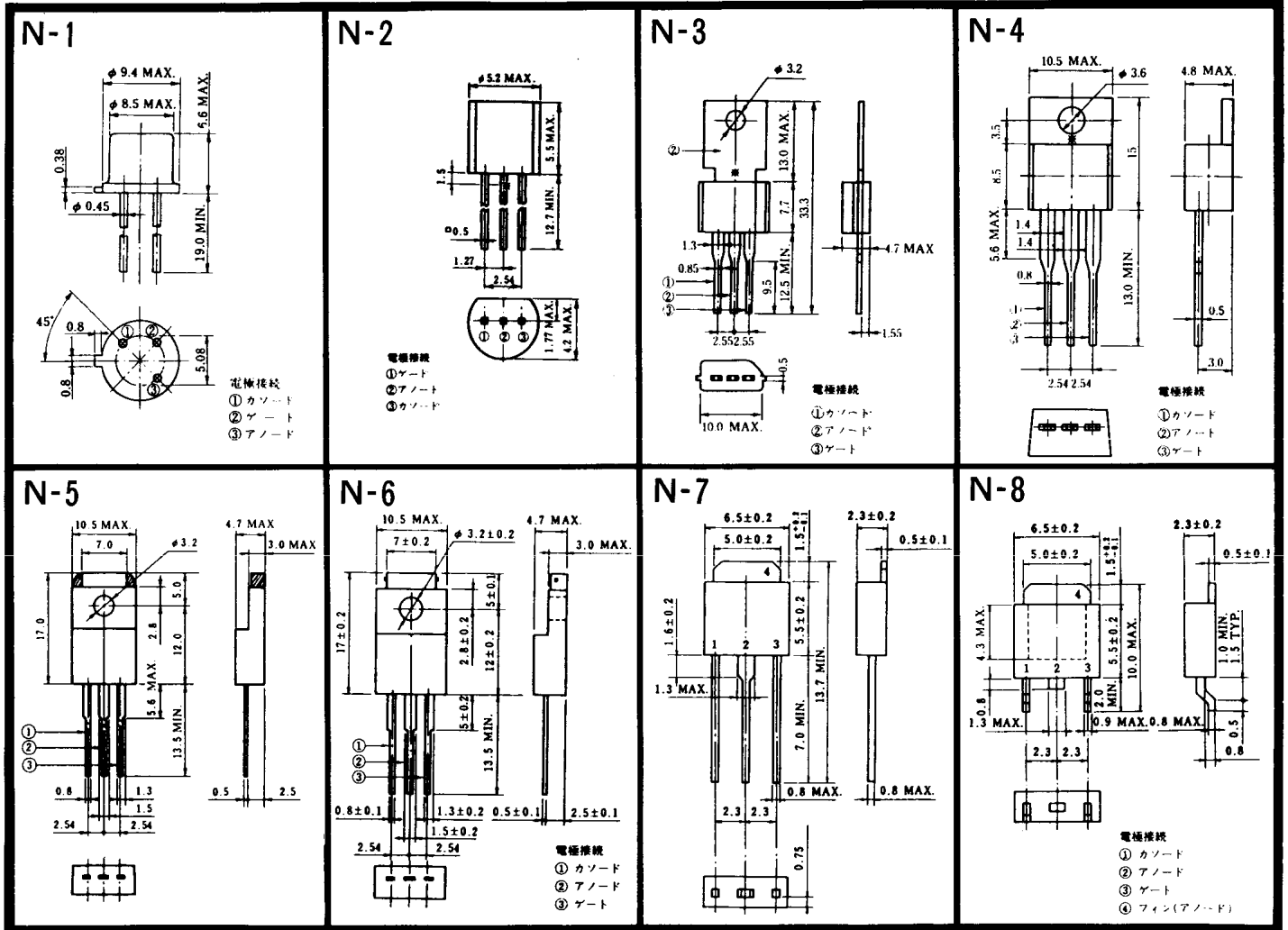
〈寸法図単位：mm〉

<http://store.iicc.cc/>



〈寸法図単位:mm〉

<http://store.iic.cc/>



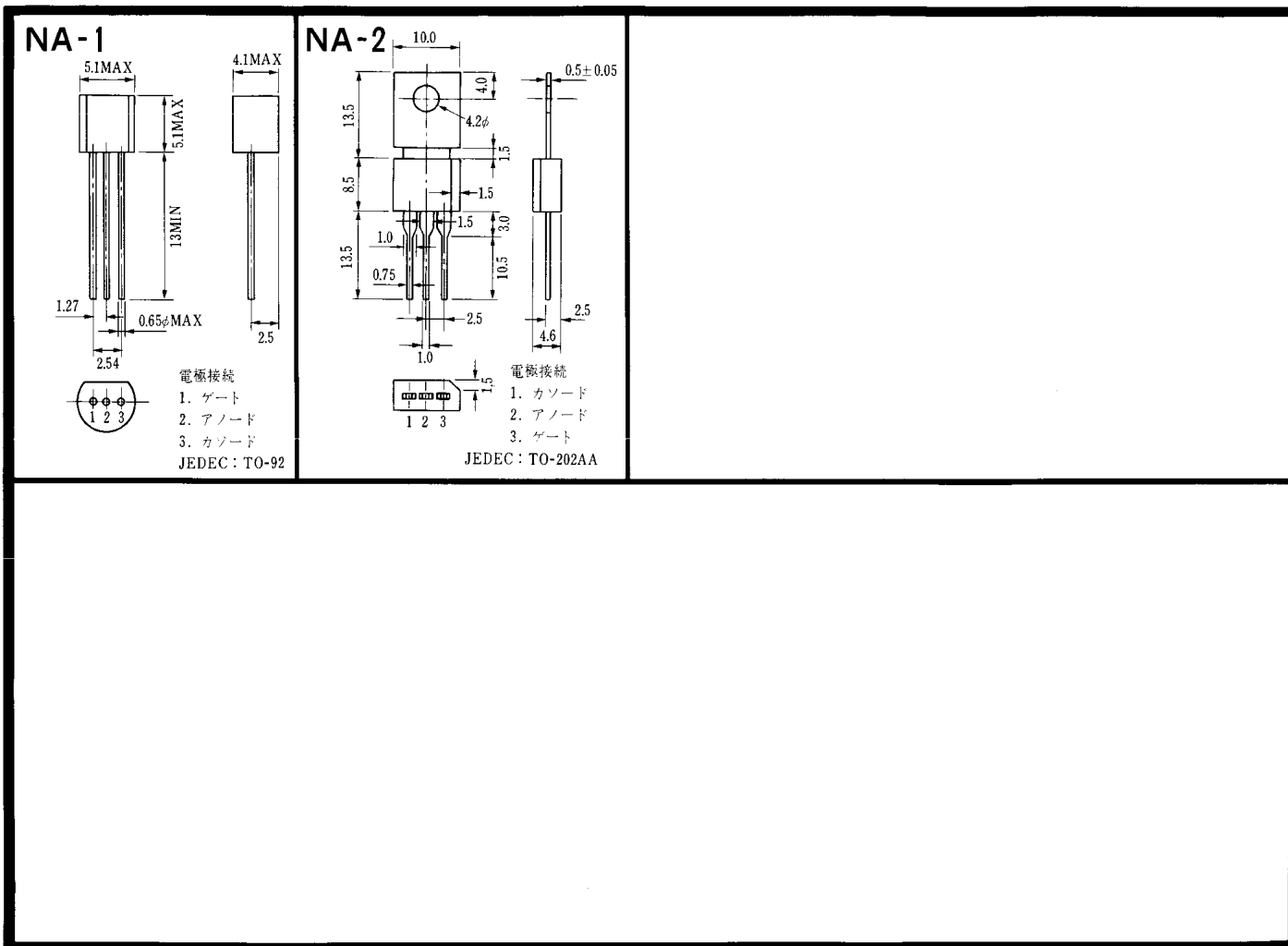
〈寸法図単位:mm〉

<http://store.iicc.cc/>

| | | | |
|---|--|--|--|
| <p>N-9</p> <p>電極標識 K:カソード A:アノード G:ゲート</p> | | | |
| | | | |

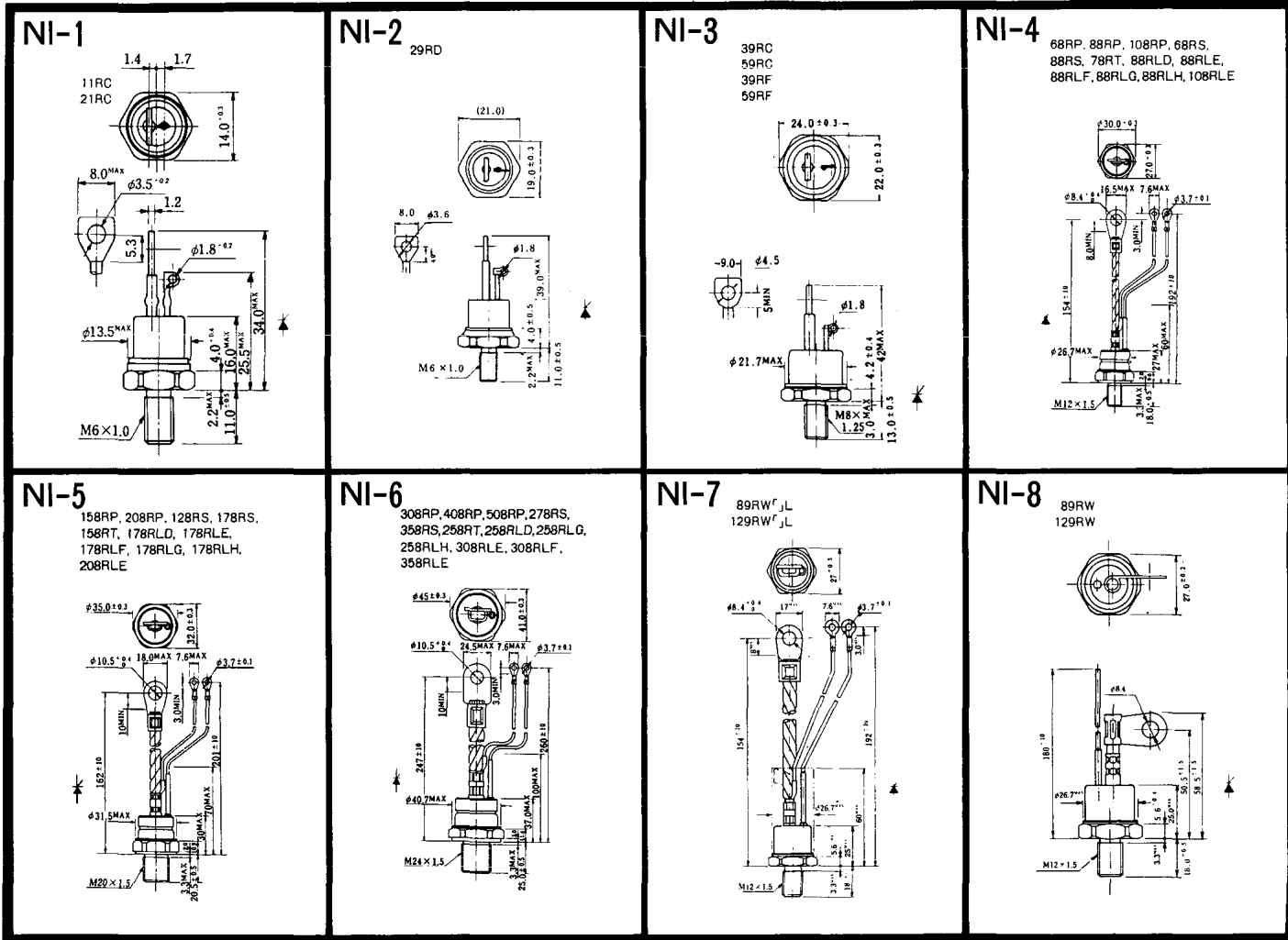
<寸法図単位: mm>

<http://store.iiic.cc/>



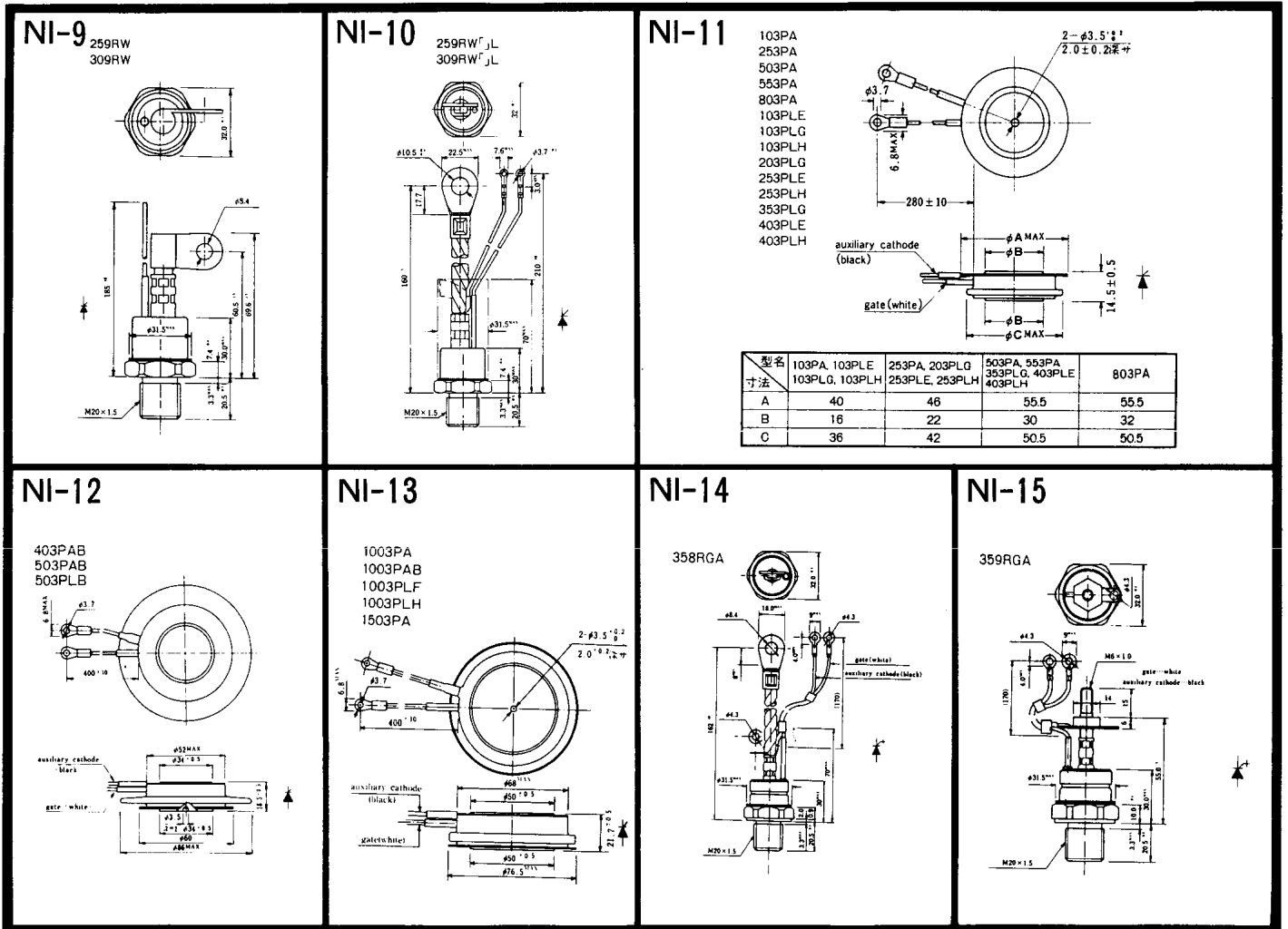
《寸法図単位：mm》

<http://store.iiic.cc/>



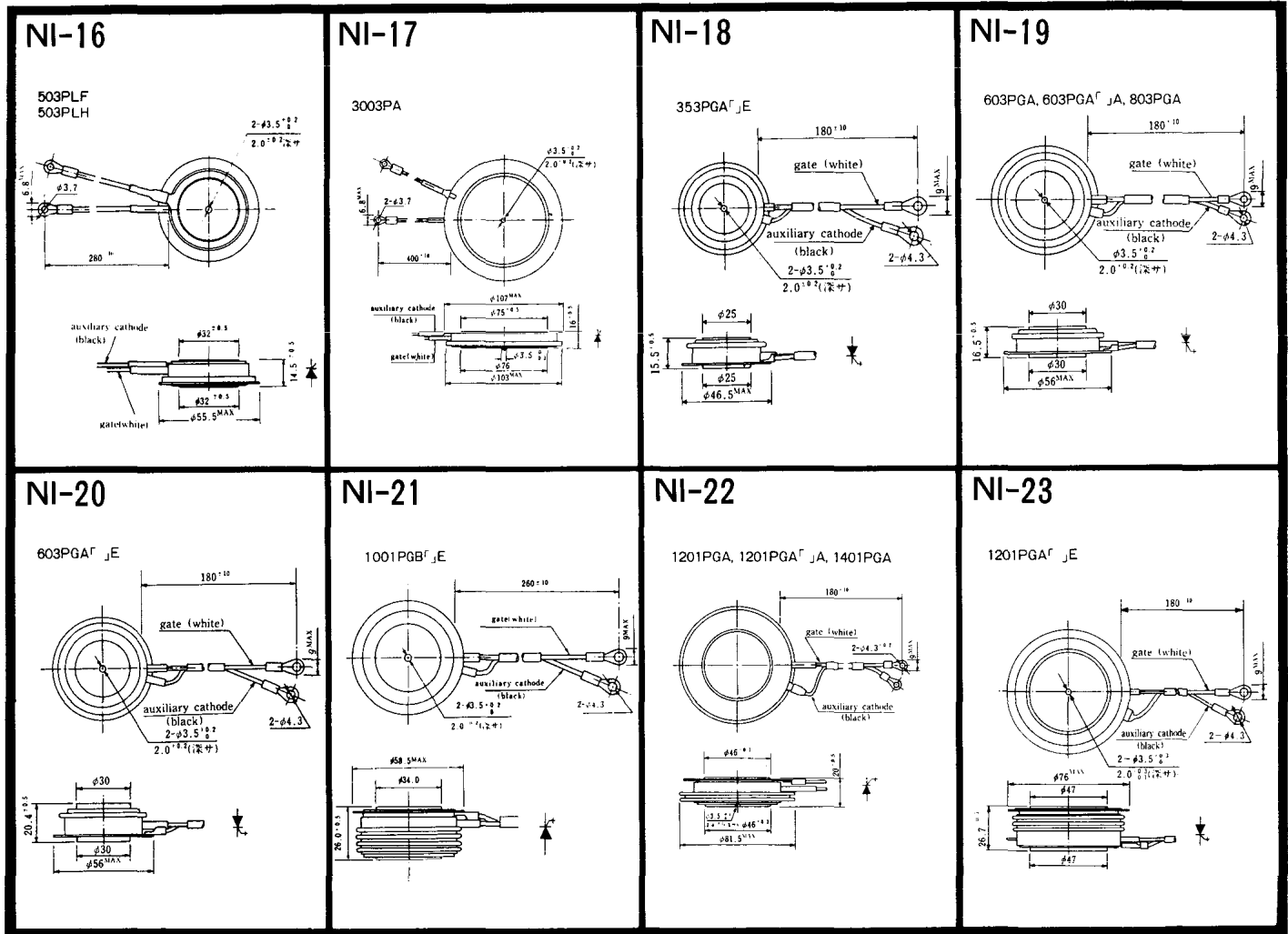
《寸法図単位:mm》

<http://store.iic.cc/>



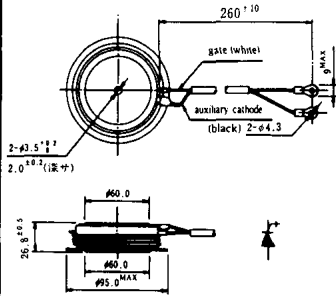
《寸法図単位:mm》

<http://store.iic.cc/>



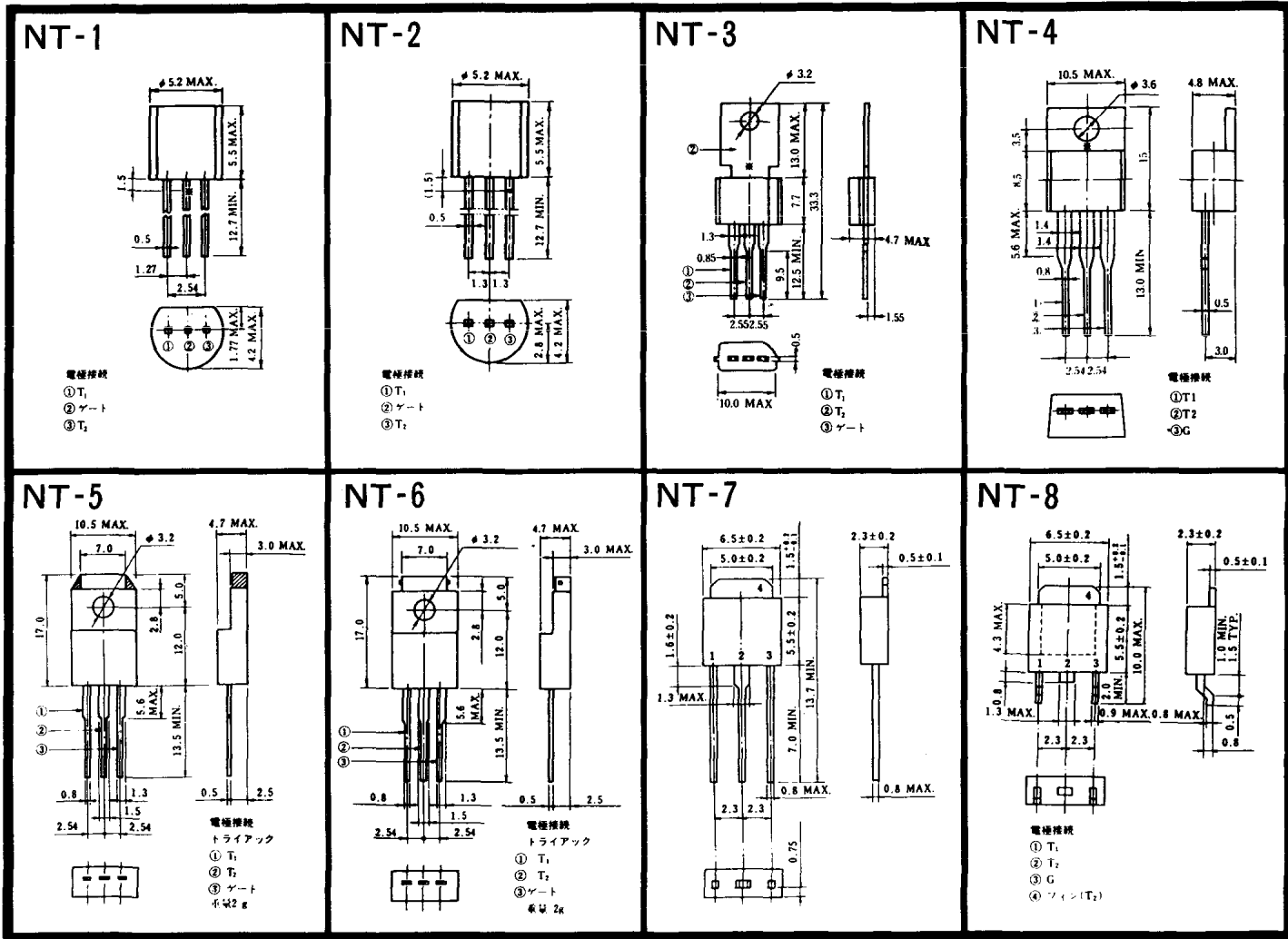
《寸法图单位:mm》

<http://store.iic.cc/>

| NI-24 | NI-25 | NI-26 | |
|--|-------|-------|--|
| <p>2001PGBF JE</p>  <p>Technical drawing of a vacuum tube (NI-24) showing top and side views with dimensions and labels. The top view shows a circular base with a diameter of 260^{+10} mm. It features a central gate labeled "gate (white)" and an auxiliary cathode labeled "auxiliary cathode (black) 2-$\phi 4.3$". There are two sets of pins: "2-$\phi 3.5^{+0.1}$" and "2.0$^{+0.2}$ (深中)". The side view shows a diameter of $\phi 60.0$ mm and a maximum diameter of $\phi 95.0$ MAX. A small arrow symbol is also present.</p> | | | |

<http://store.iiccc/>

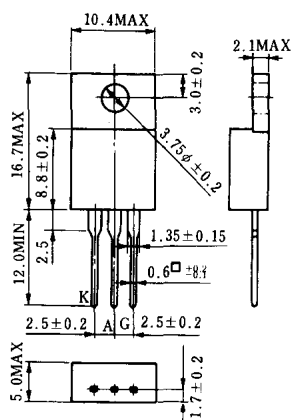
《寸法图单位:mm》



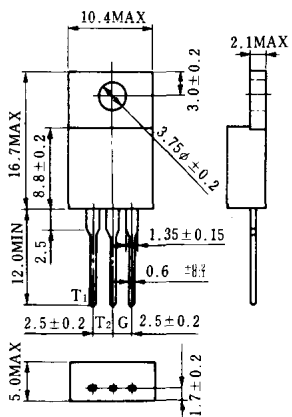
<http://store.iicc.cc/>

〈寸法図単位:mm〉

S-1

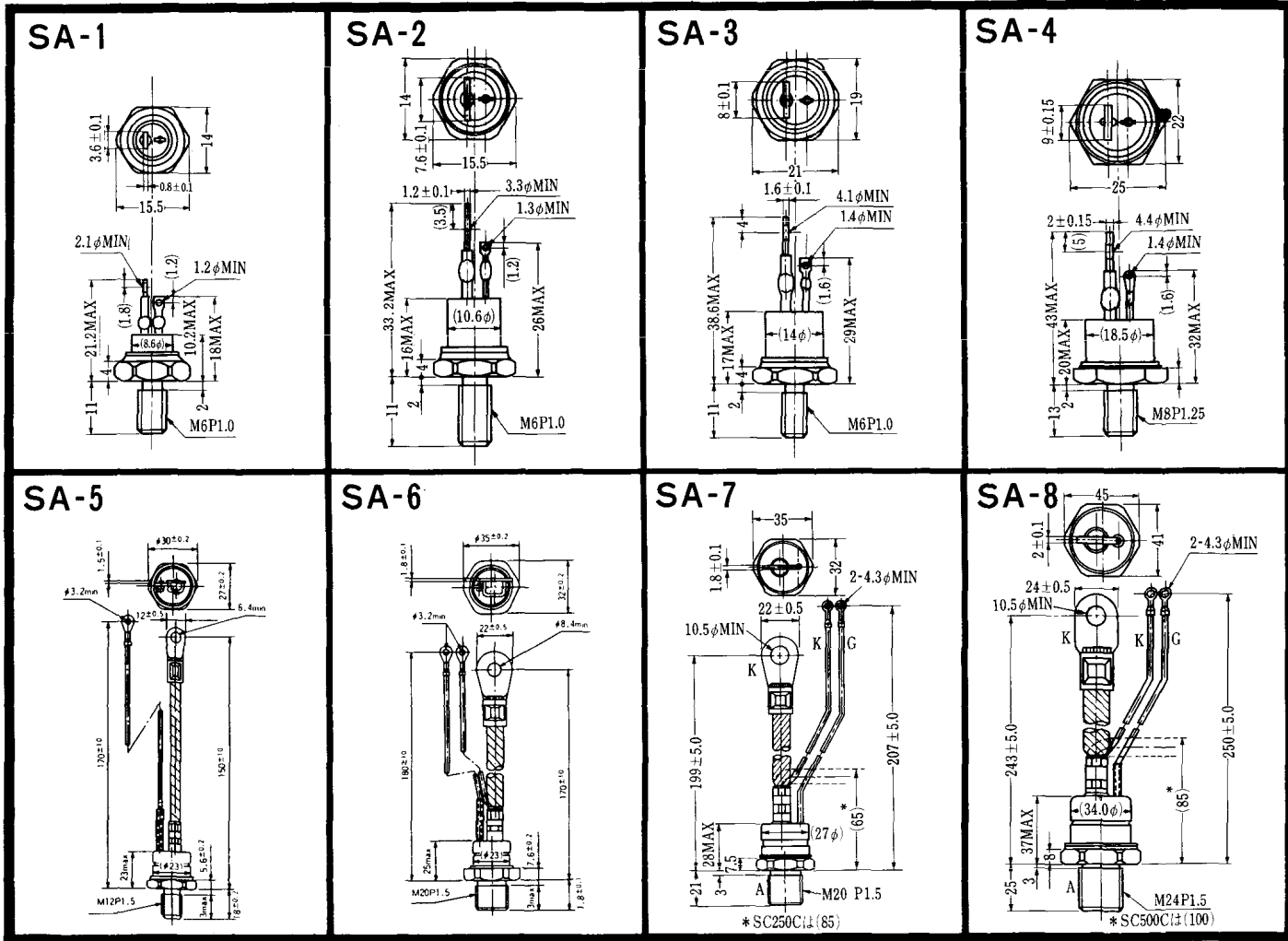


ST-1



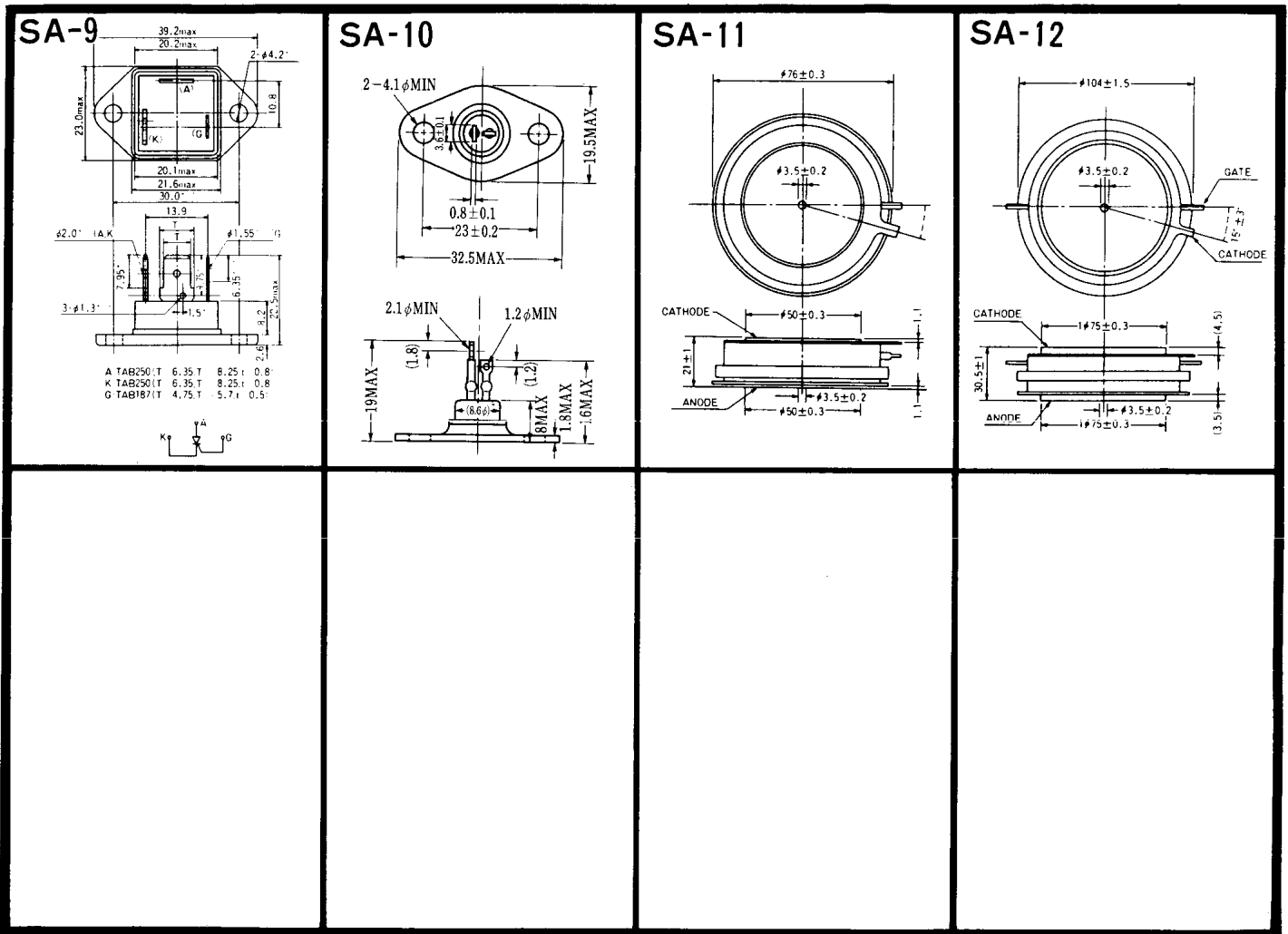
<http://store.iic.cc/>

《寸法図単位：mm》



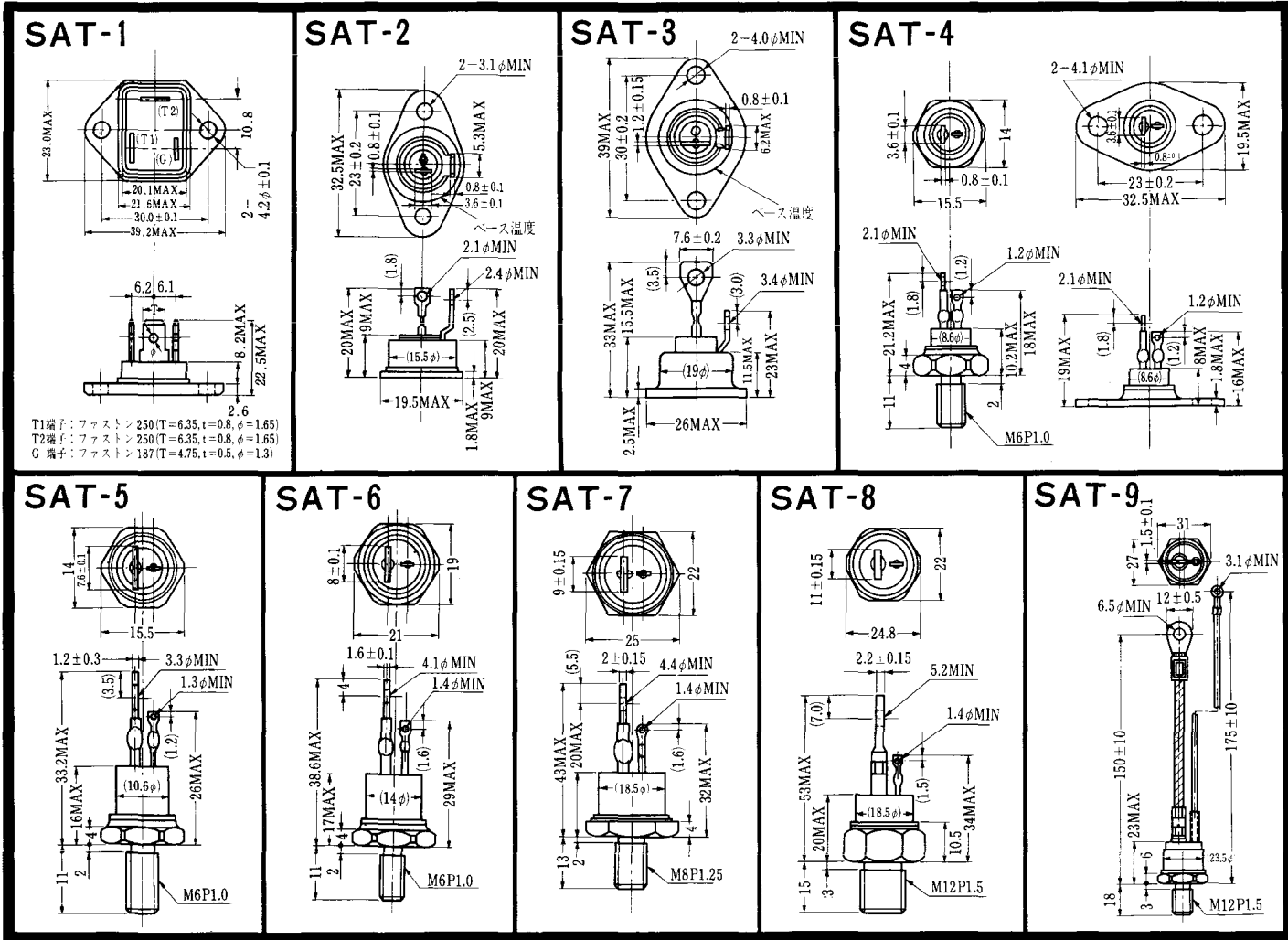
〈寸法図単位:mm〉

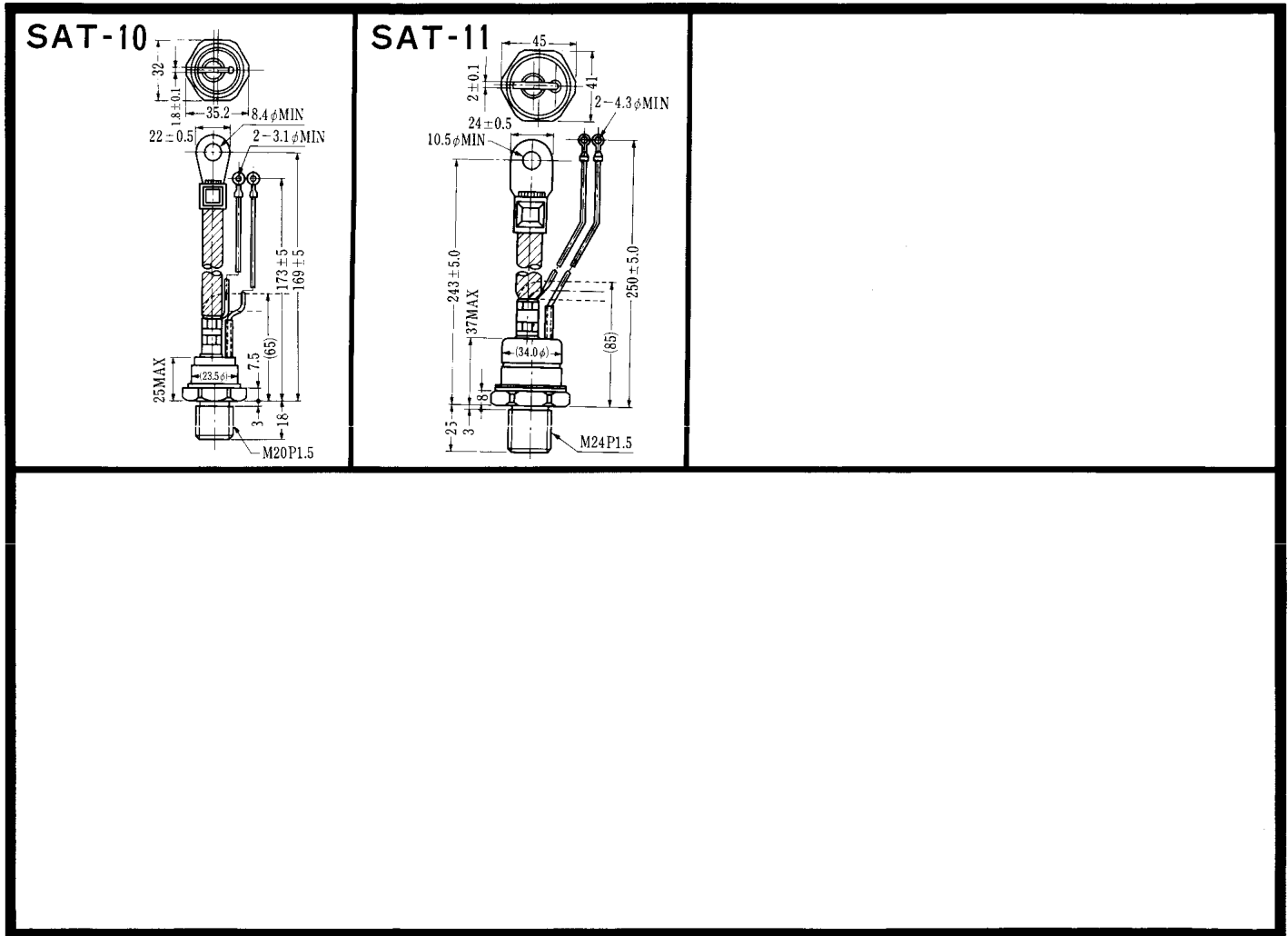
<http://store.iic.cc/>



<http://store.iiic.cc/>

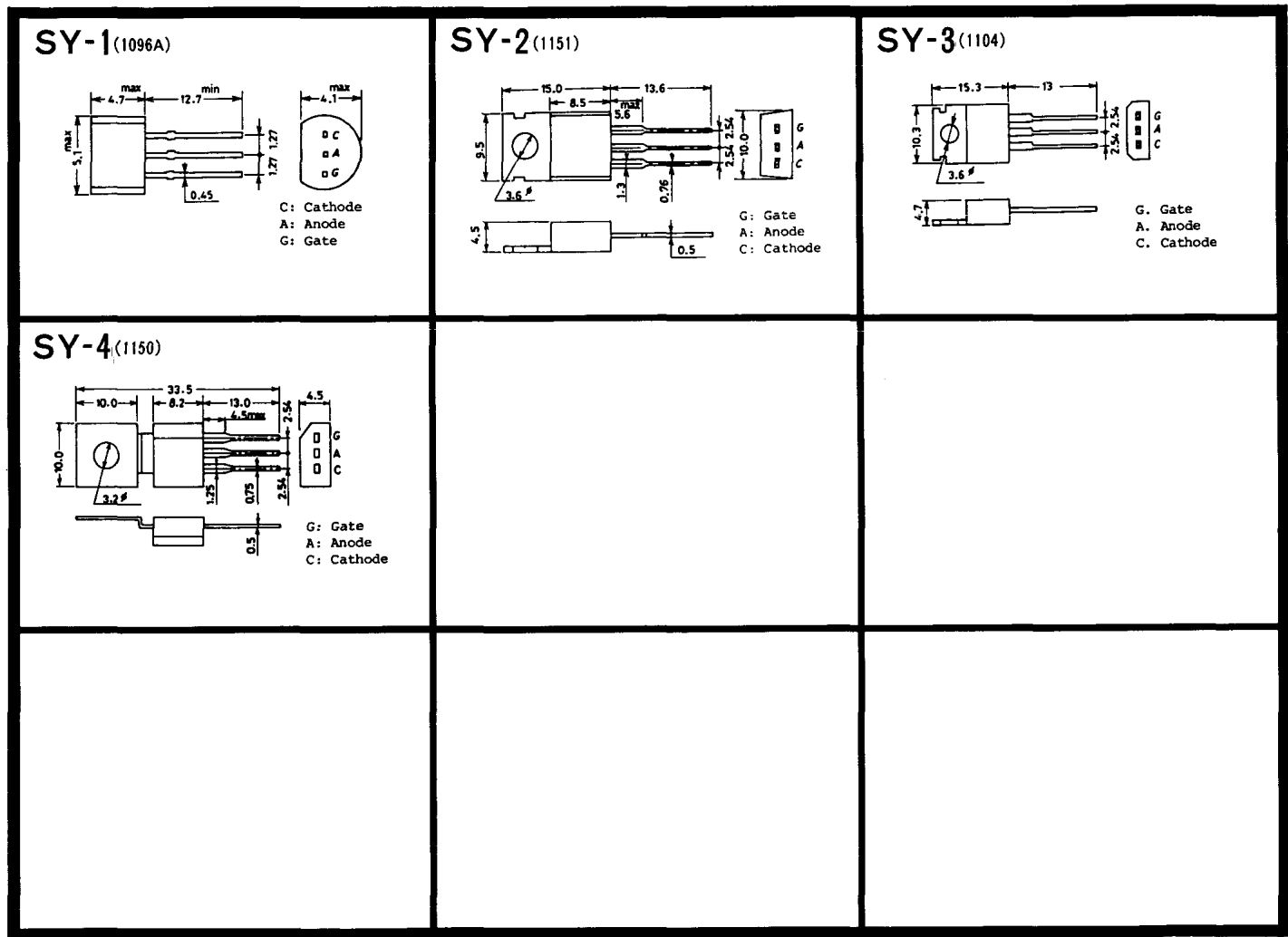
< 寸法図 単位:mm >





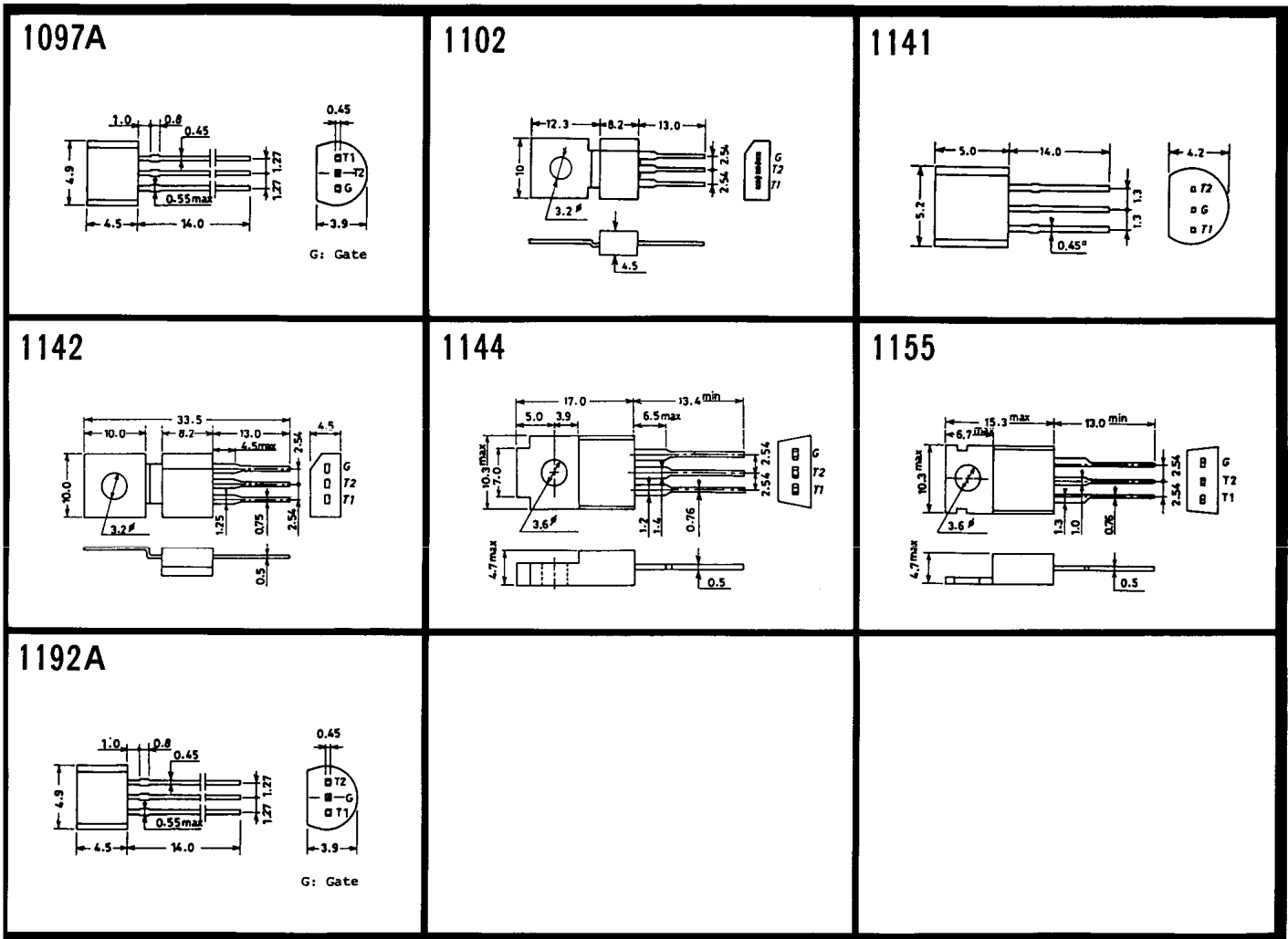
<http://store.iic.cc/>

《寸法図單位：mm》



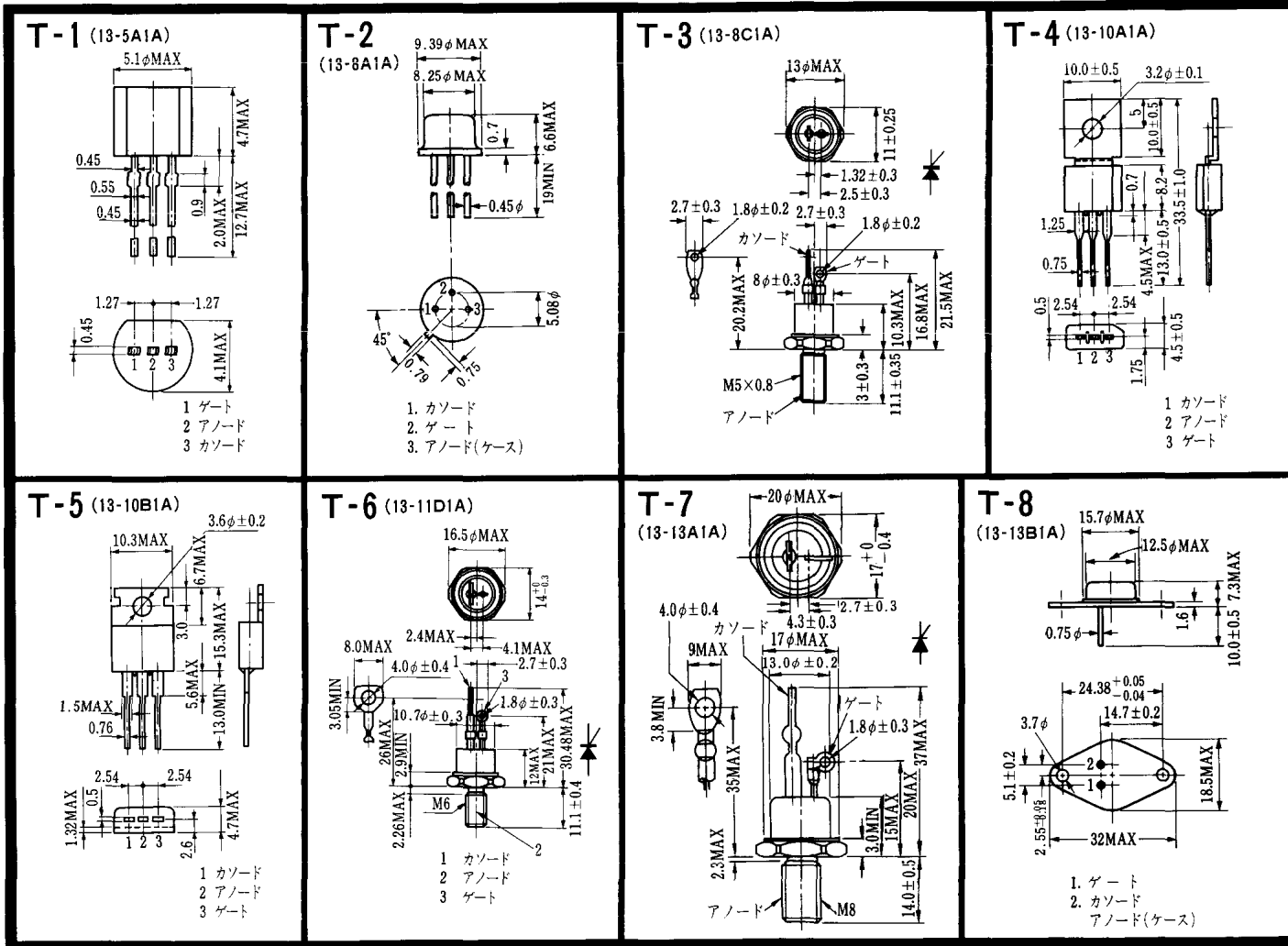
<http://store.iic.cc/>

〈寸法図単位:mm〉



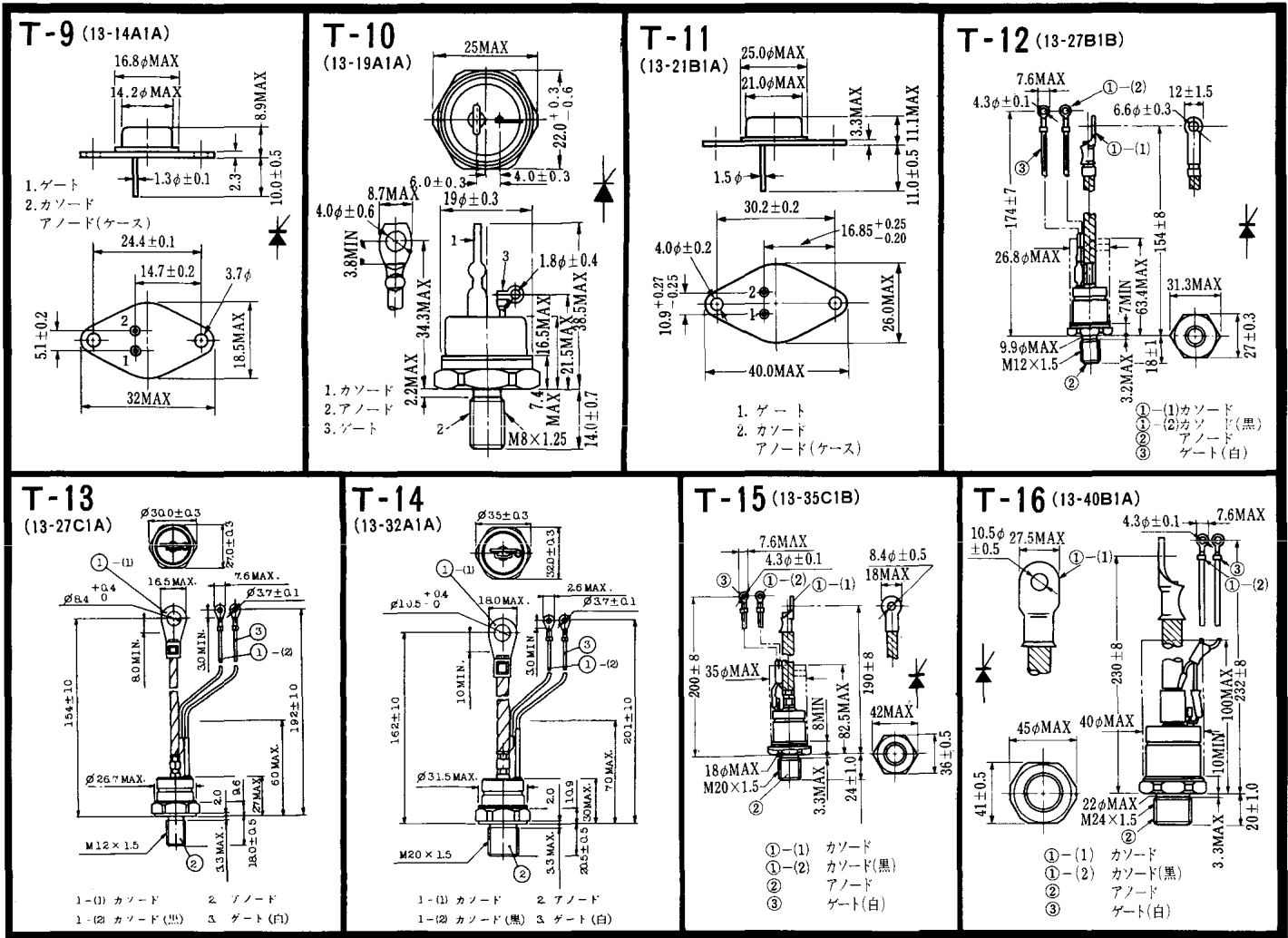
<http://store.iic.cc/>

〈寸法図単位:mm〉



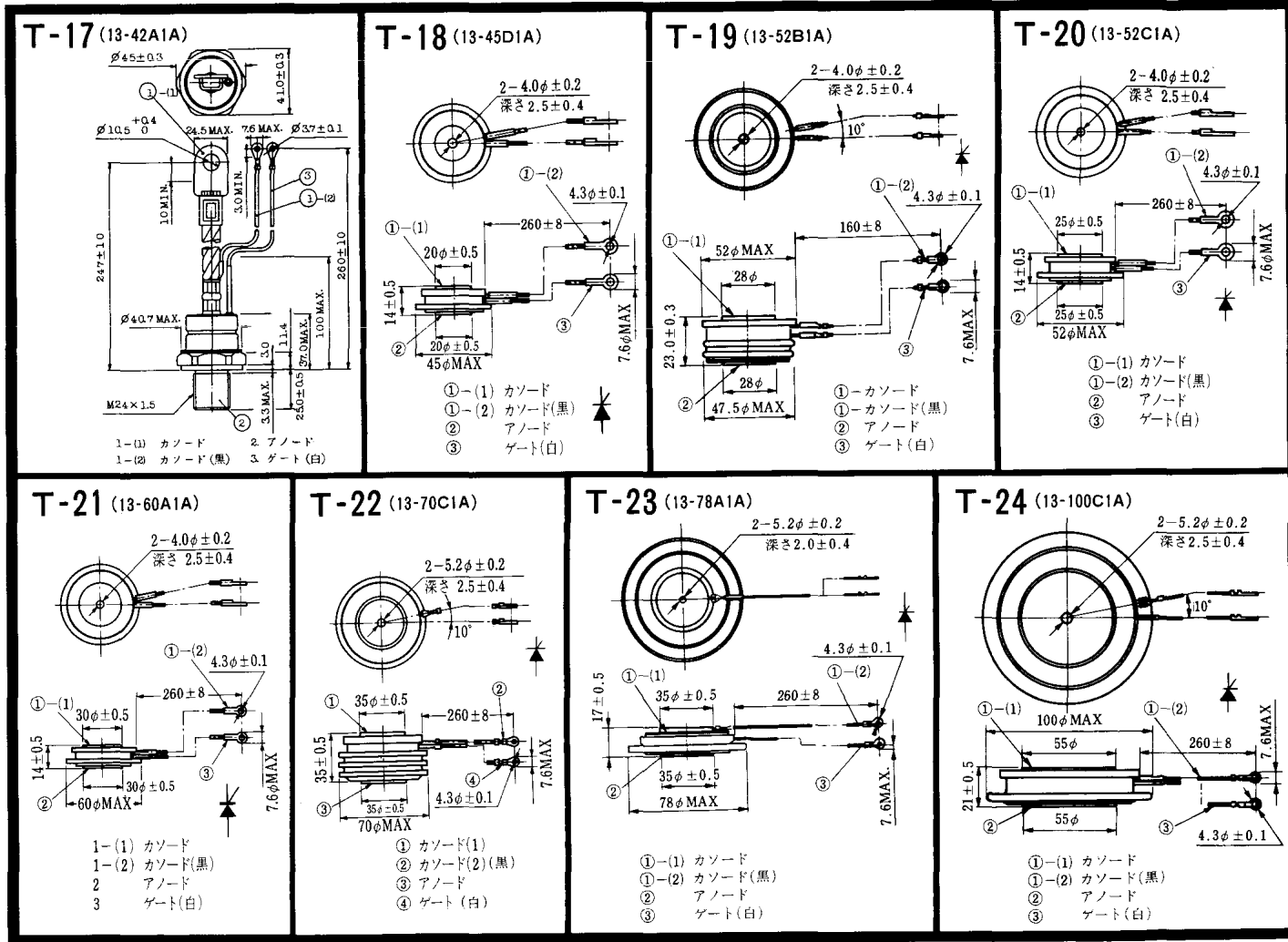
◀寸法図単位: mm

<http://store.iic.cc/>



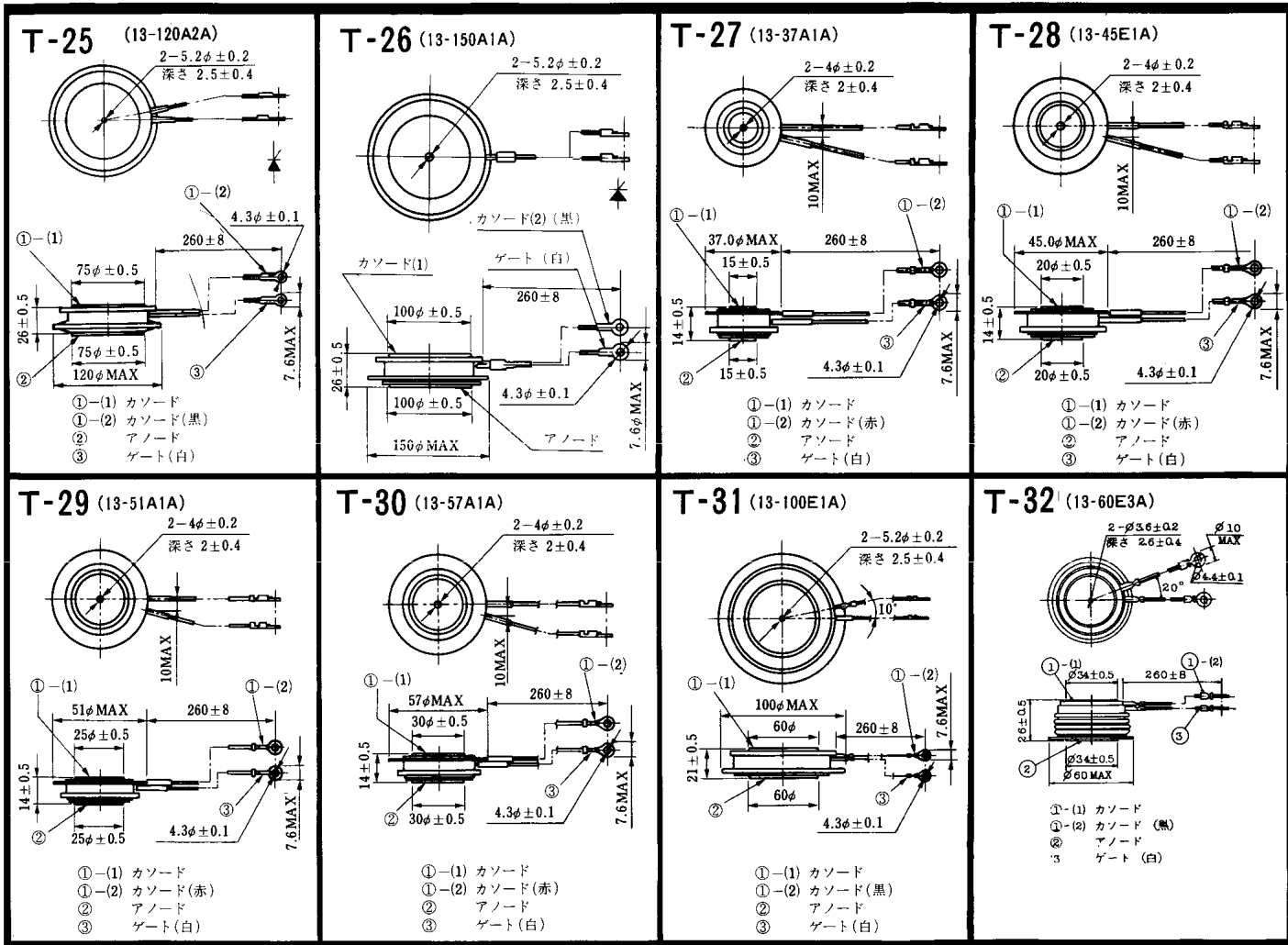
《寸法図単位：mm》

<http://store.iic.cc/>



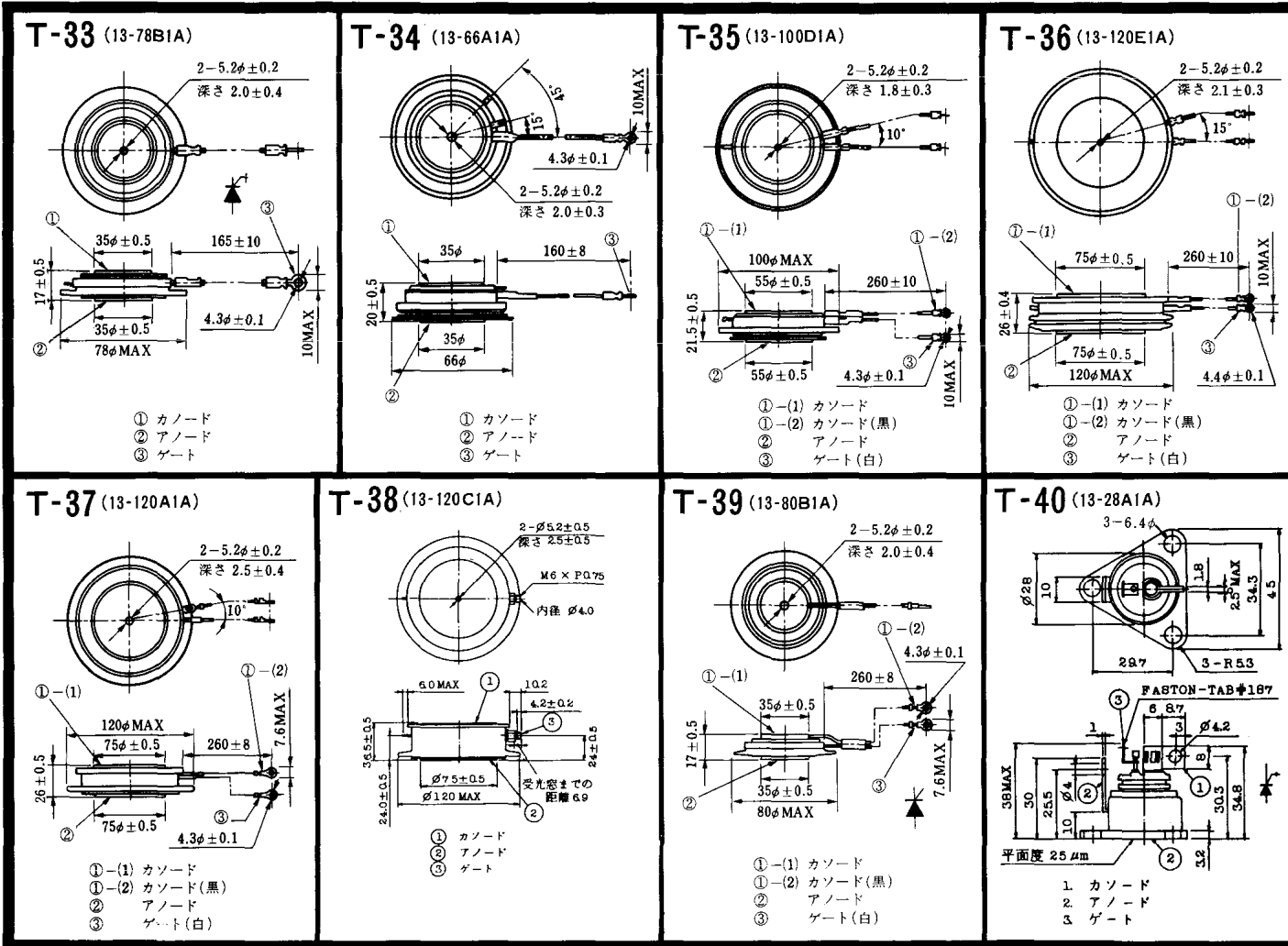
〈寸法図単位：mm〉

<http://store.iicc.cc/>



《寸法図単位：mm》

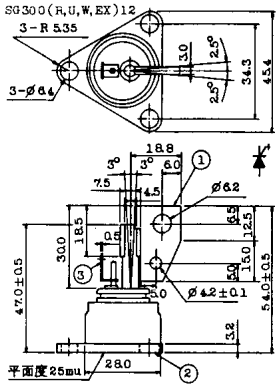
<http://store.iicc.cc/>



《寸法図単位：mm

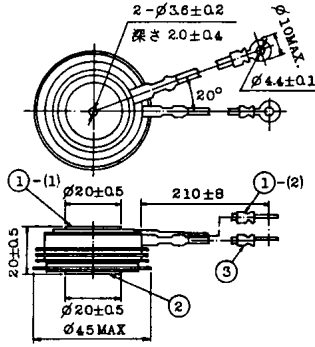
<http://store.iicc.cc/>

T-41 (13-28A2A)



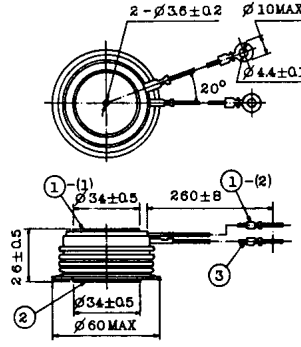
- 1 カソード
- 2 アノード
- 3 ゲート

T-42 (13-45F1A)



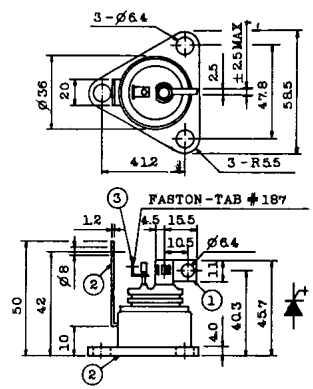
- ①-1) カソード
- ①-2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-43 (13-60E2A)



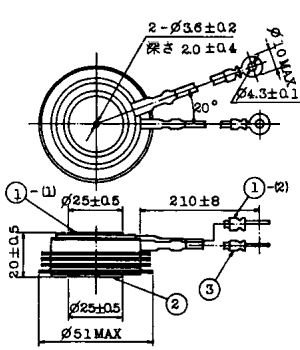
- ①-1) カソード
- ①-2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-44 (13-36A1A)



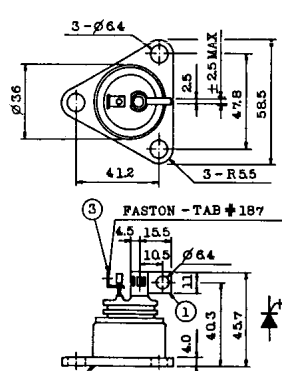
- 1 カソード
- 2 アノード
- 3 ゲート

T-45 (13-51B1A)



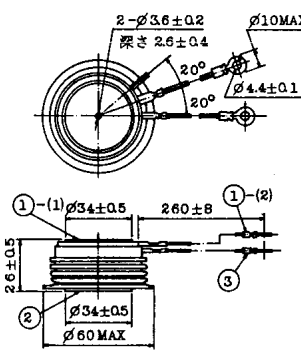
- ①-1) カソード
- ①-2) カソード(黒)
- ② アノード
- ③ ゲート(白)

T-46 (13-36B1A)



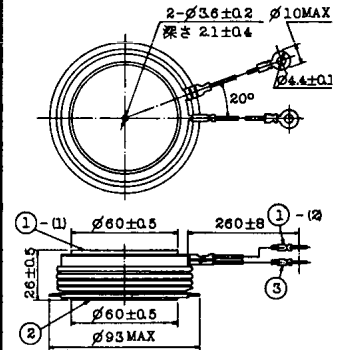
- 1 カソード
- 2 アノード
- 3 ゲート

T-47 (13-60E1A)



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

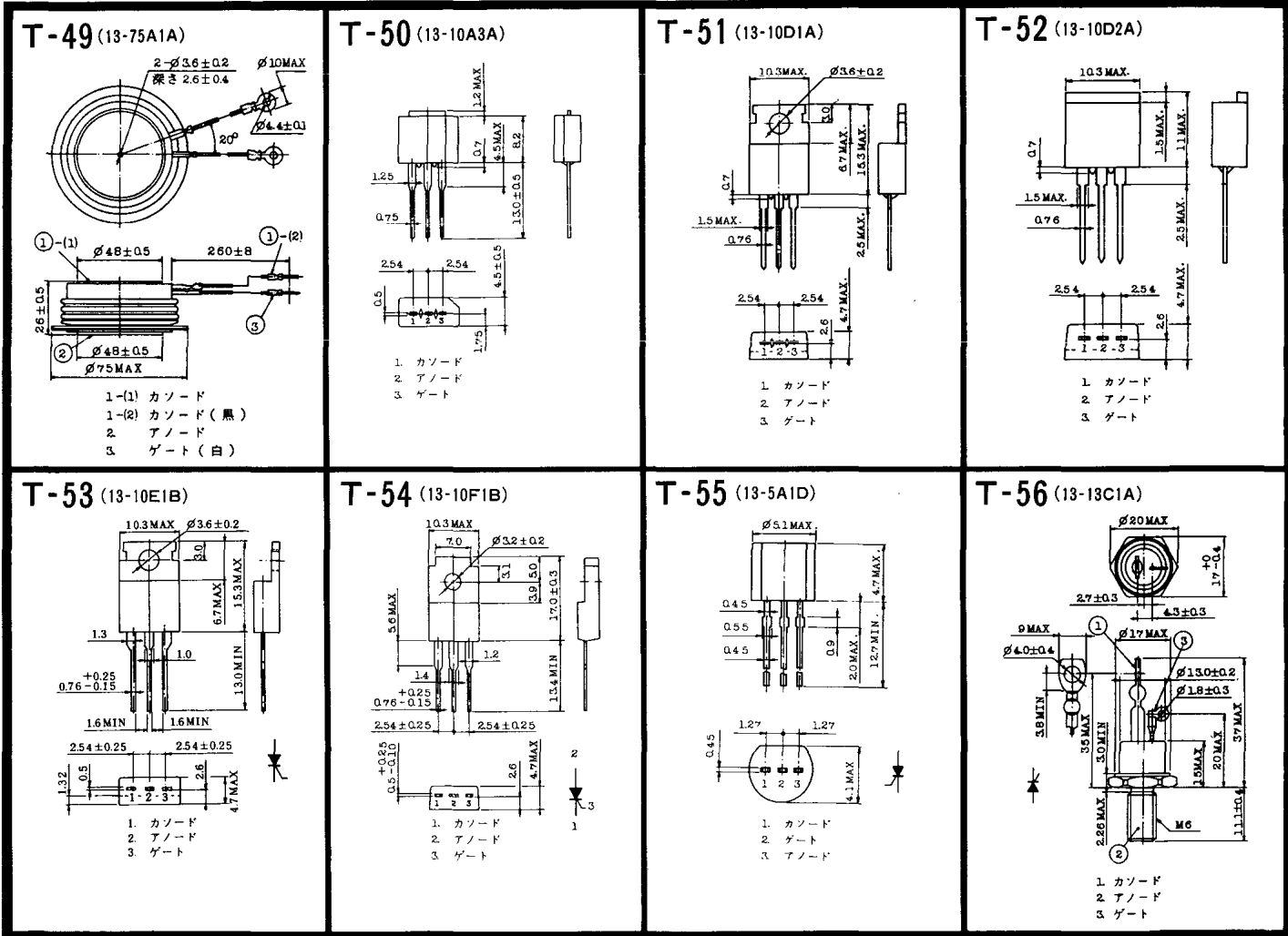
T-48 (13-93C1A)



- ①-1) カソード
- ①-2) カソード(黒色)
- ② アノード
- ③ ゲート(白色)

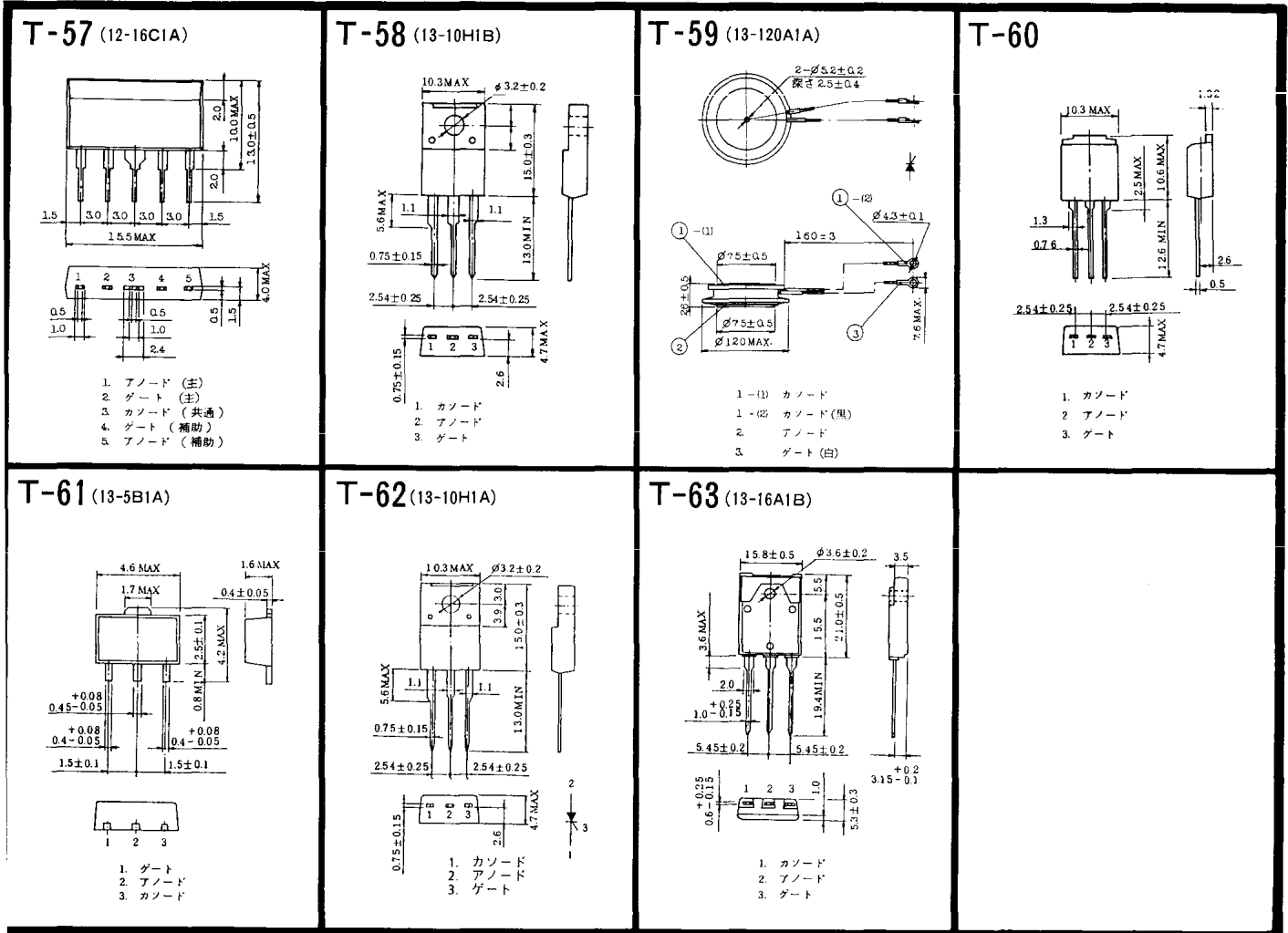
〈寸法図単位: mm〉

<http://store.iicc.cc/>



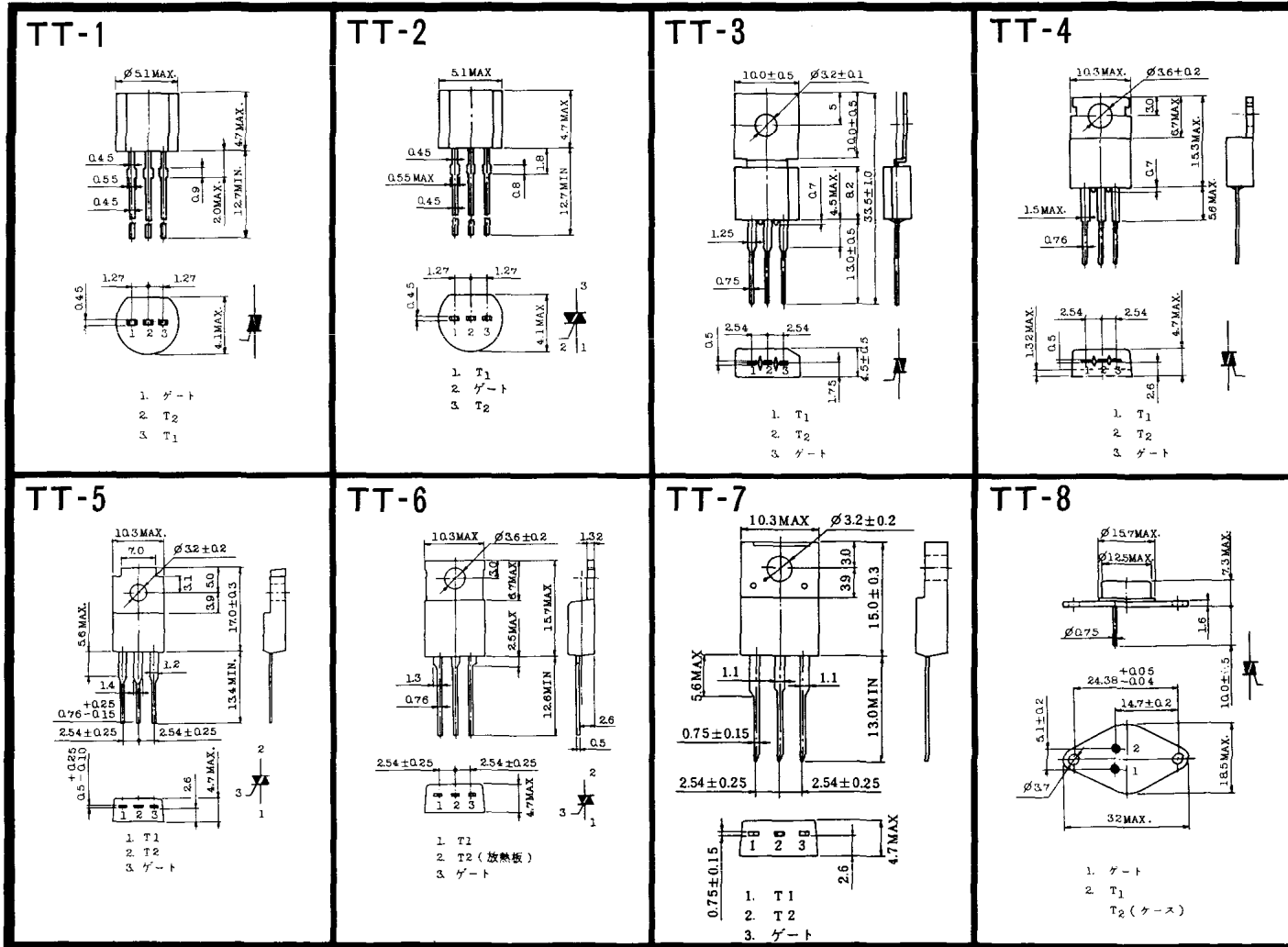
〈寸法図単位:mm〉

<http://store.iicc.cc/>



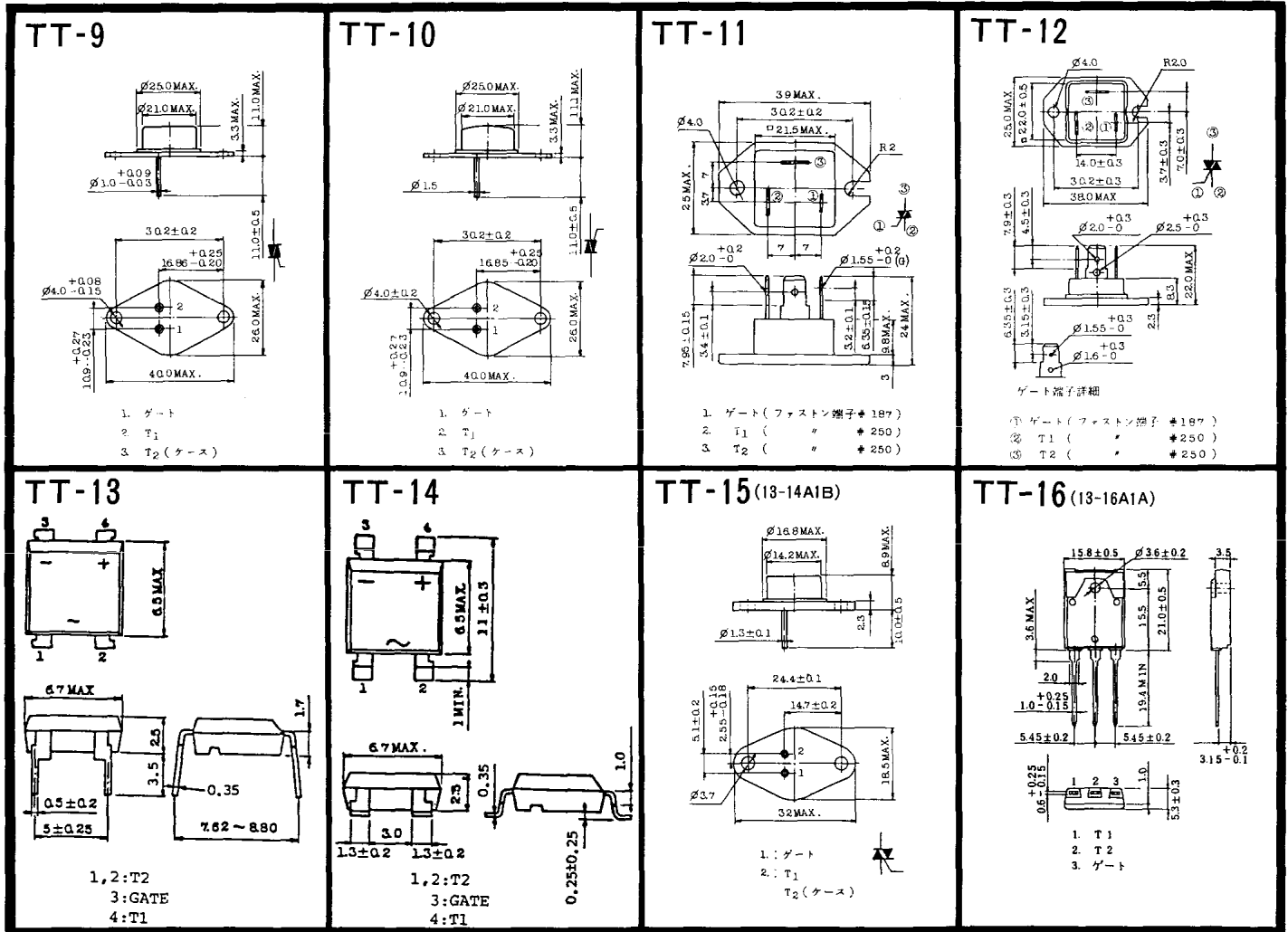
《寸法図単位:mm》

<http://store.iic.cc/>



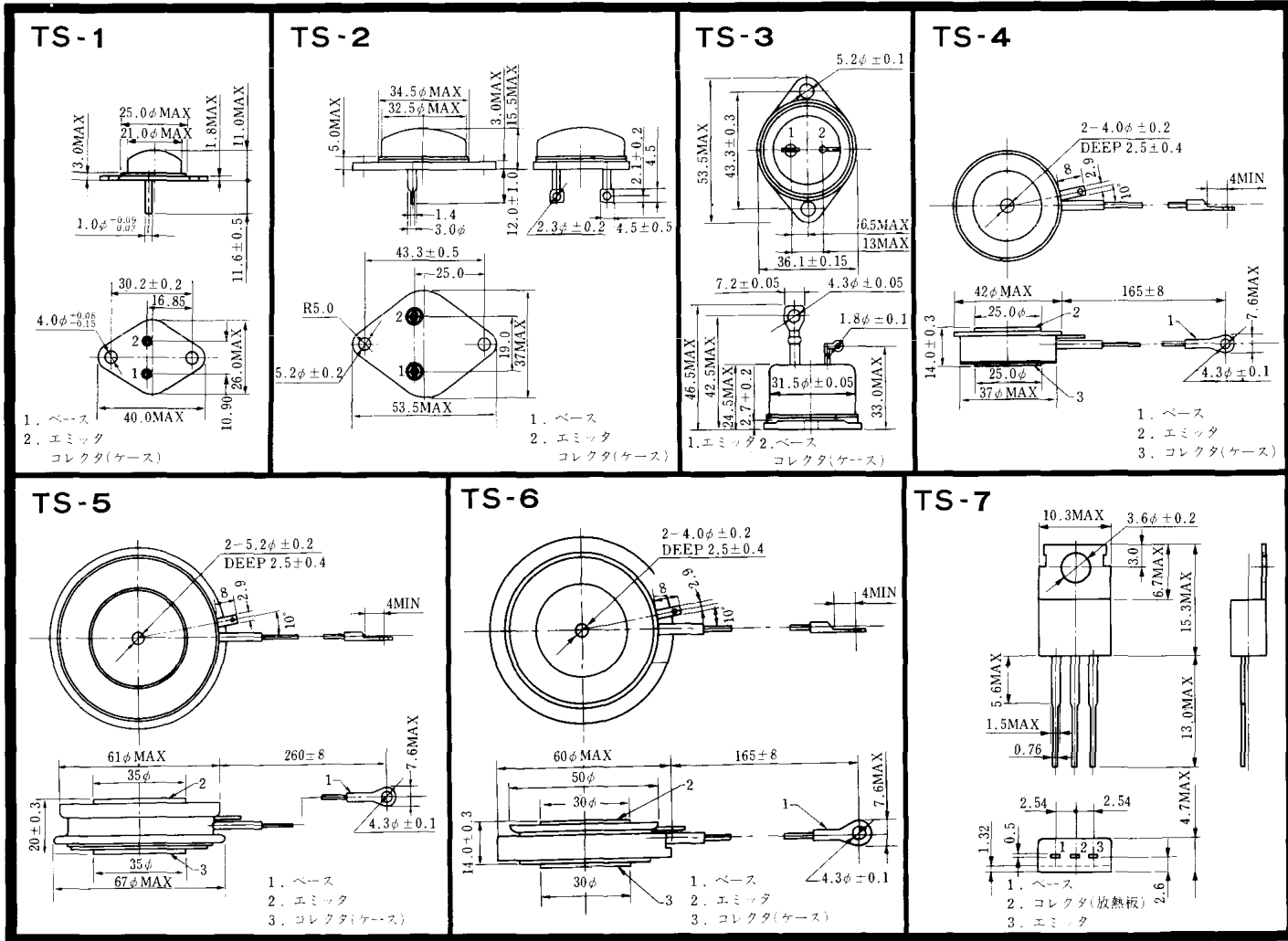
〈寸法図単位: mm〉

<http://store.iic.cc/>



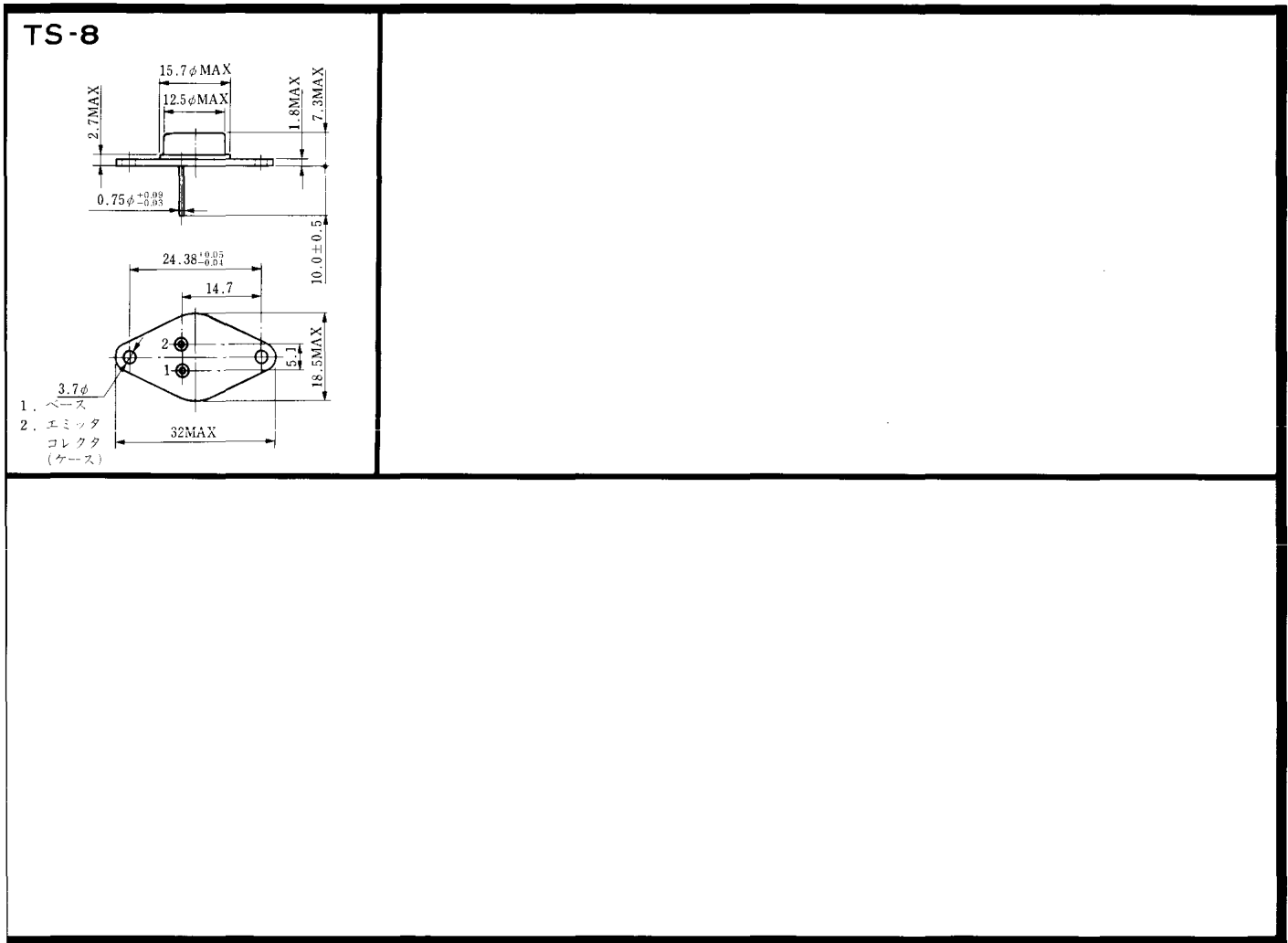
◀寸法図単位: mm▶

<http://store.iicc.cc/>



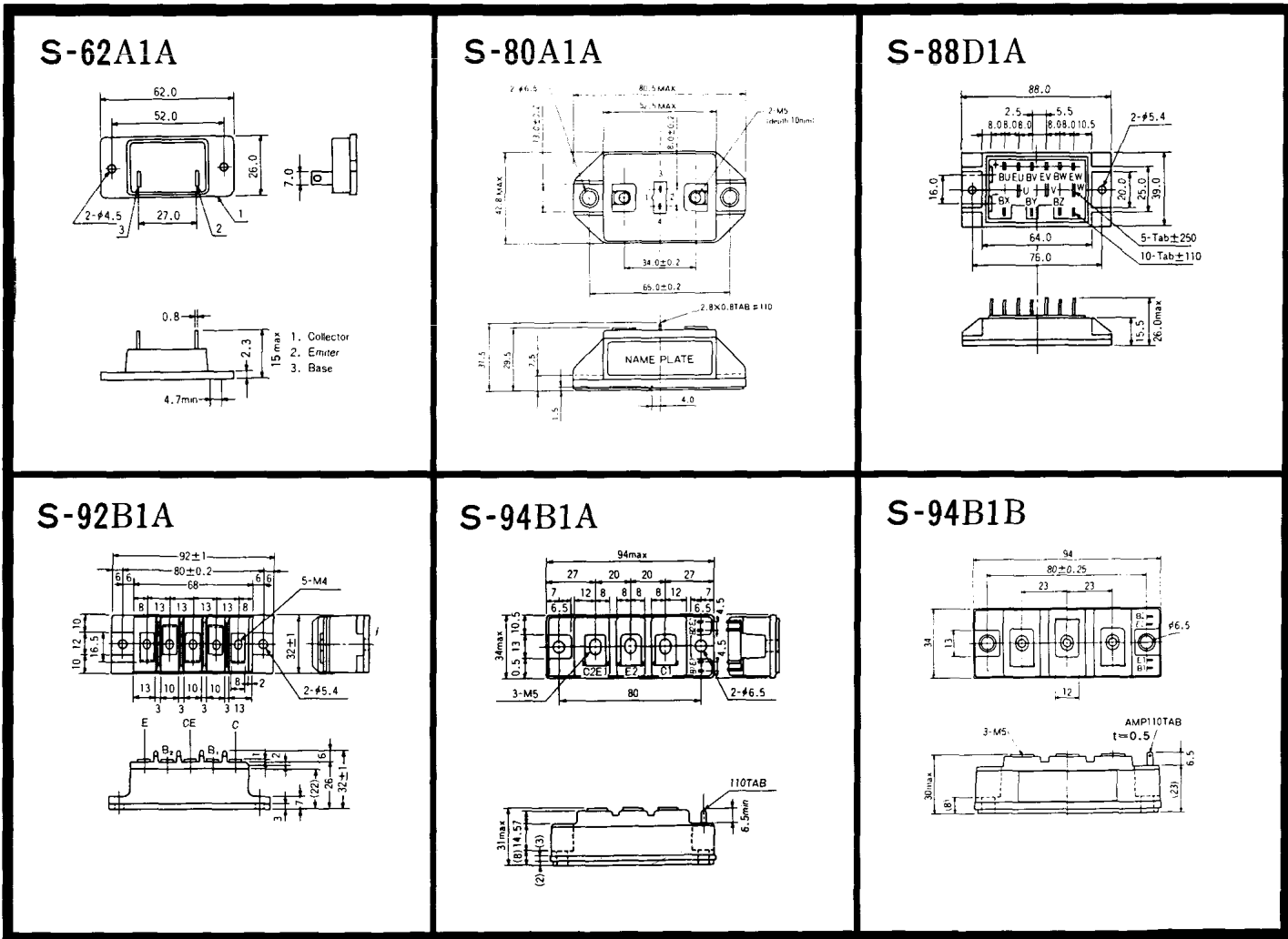
《寸法図単位：mm》

<http://store.iicc.cc/>



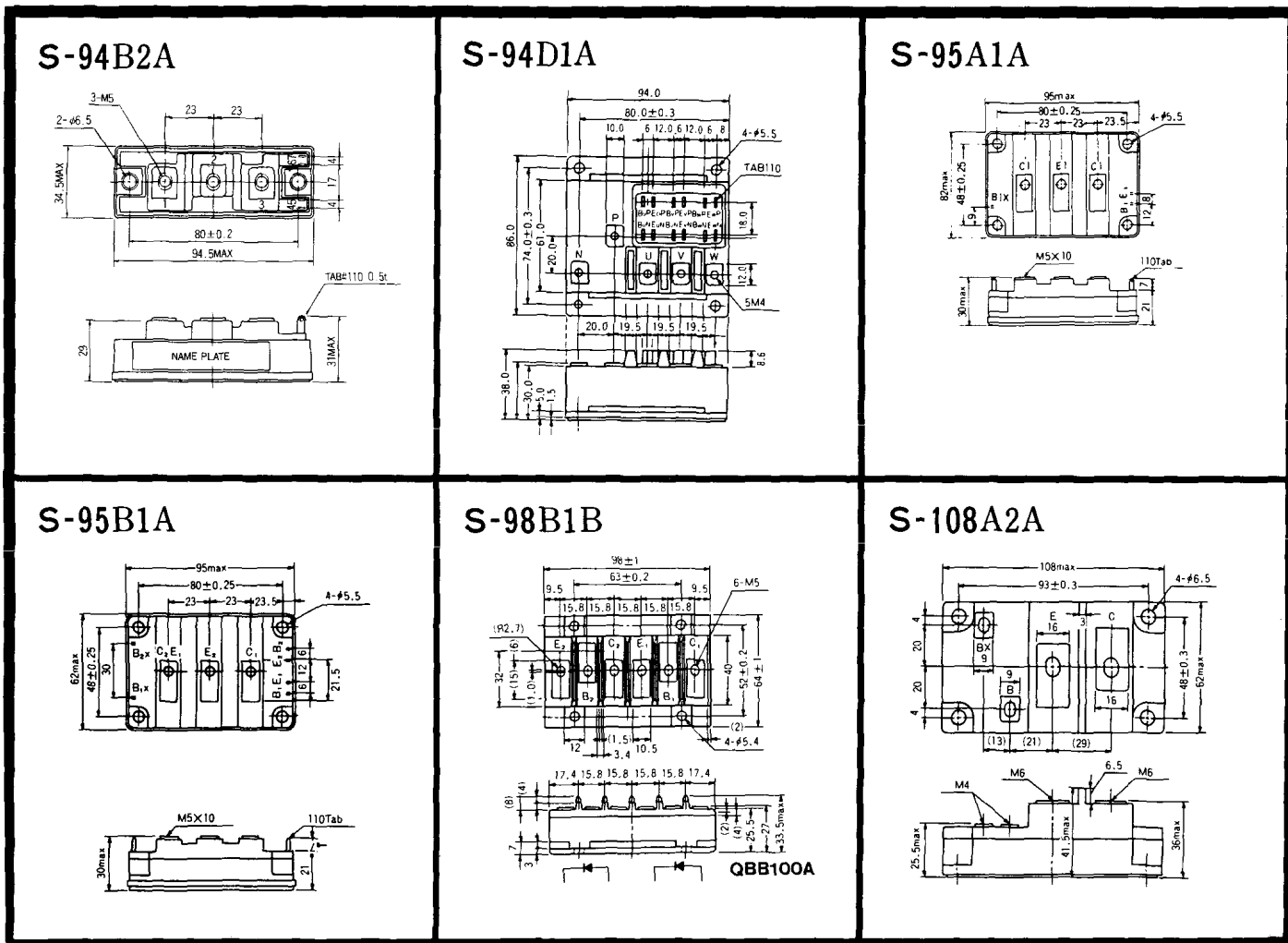
<http://store.iic.cc/>

《寸法図単位：mm》



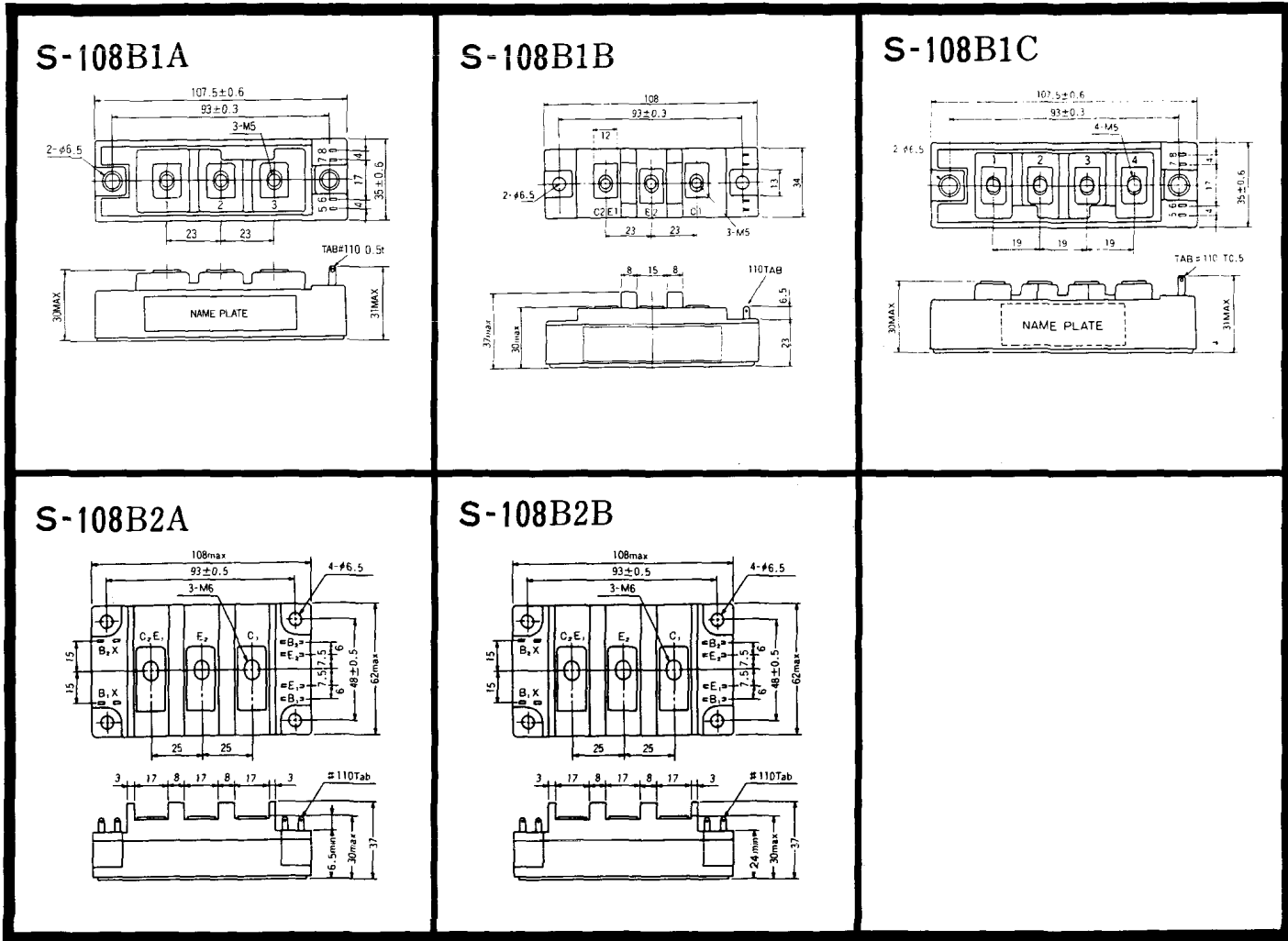
<http://store.iicc.cc/>

〈寸法図単位：mm〉



〈寸法図単位：mm〉

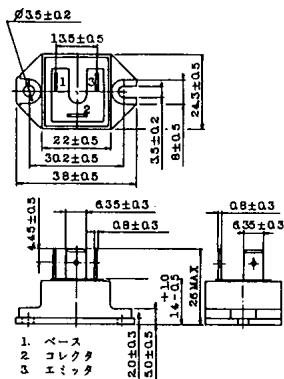
<http://store.iic.cc/>



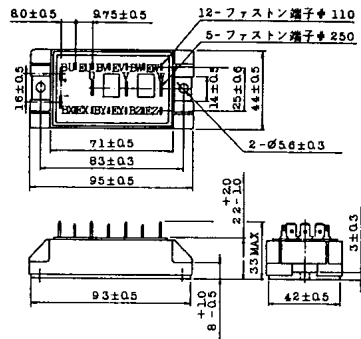
<http://store.iic.cc/>

<寸法图单位:mm>

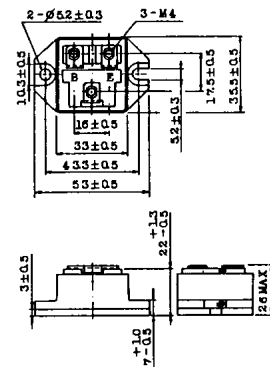
2-22B1A



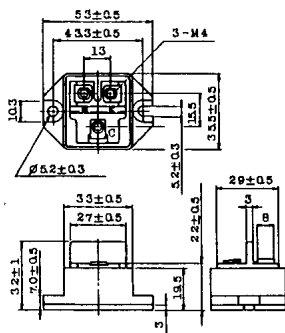
2-27A4A



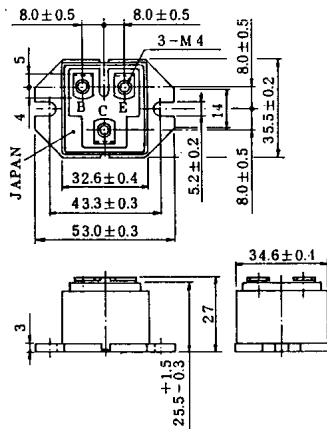
2-33C1A



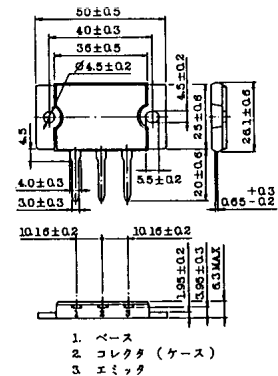
2-33D1A



2-33F1A

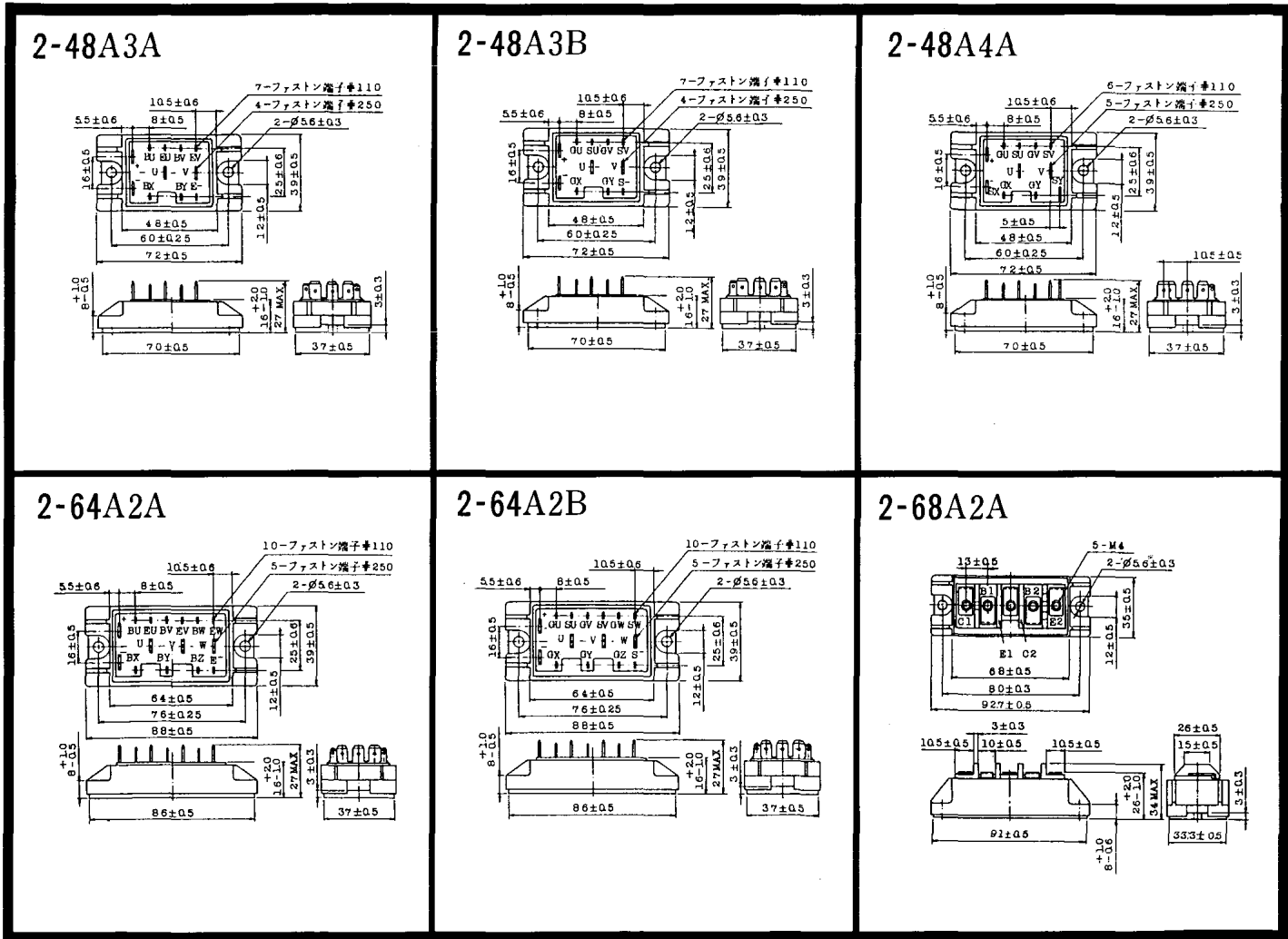


2-37A1A



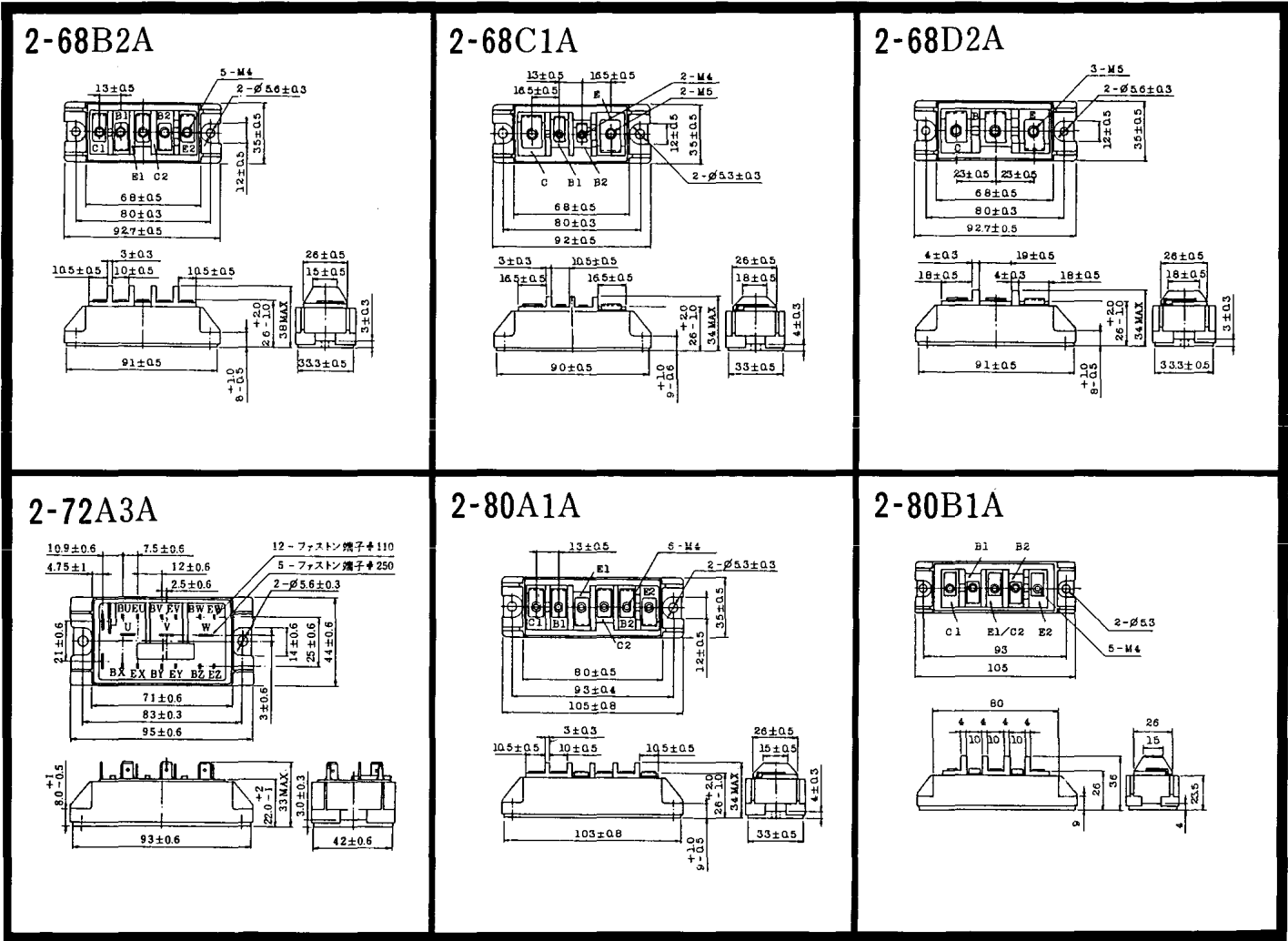
<http://store.iicc.cc/>

《寸法図単位：mm》



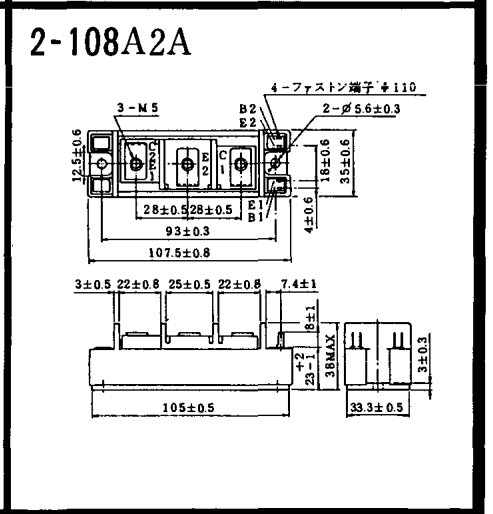
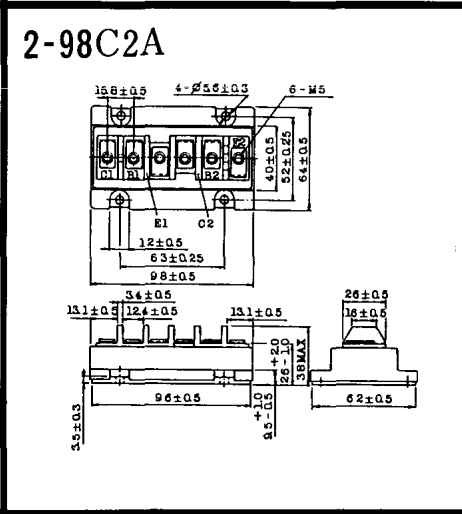
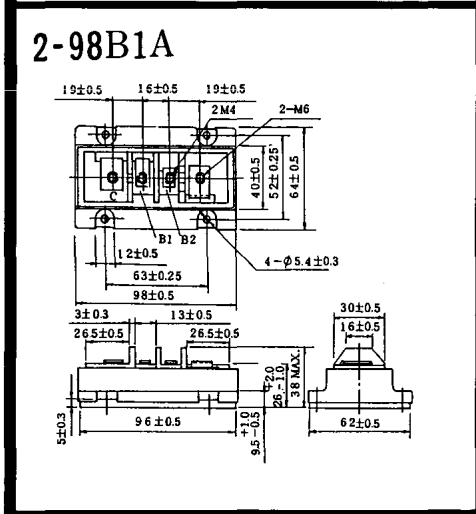
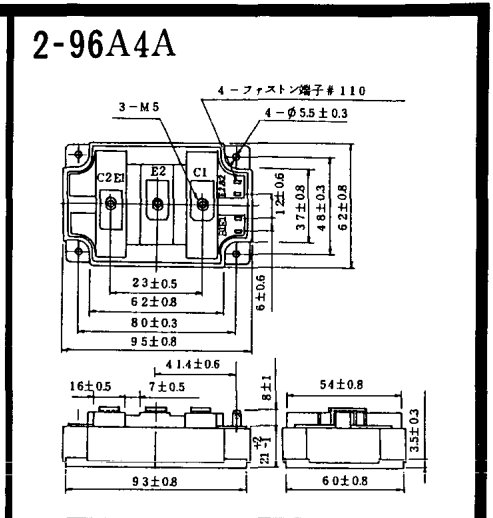
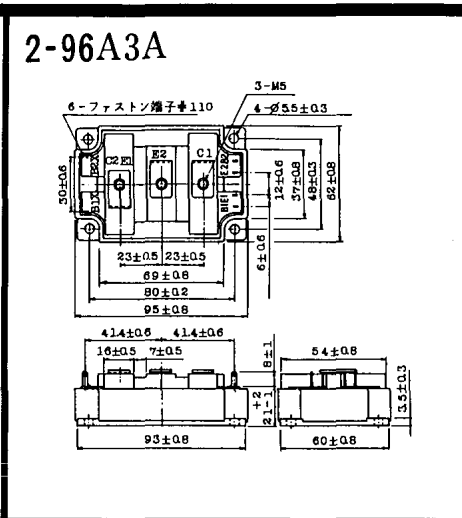
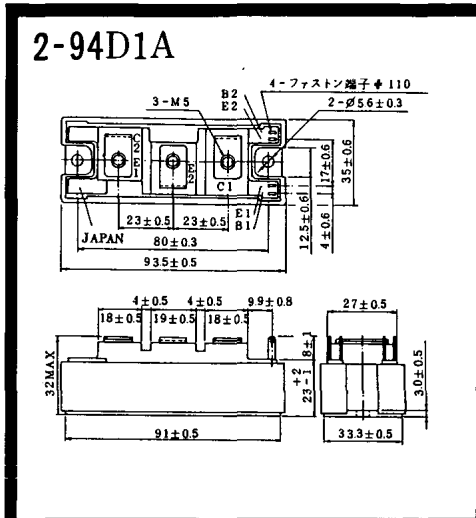
<http://store.iicc/>

〈寸法図単位：mm〉



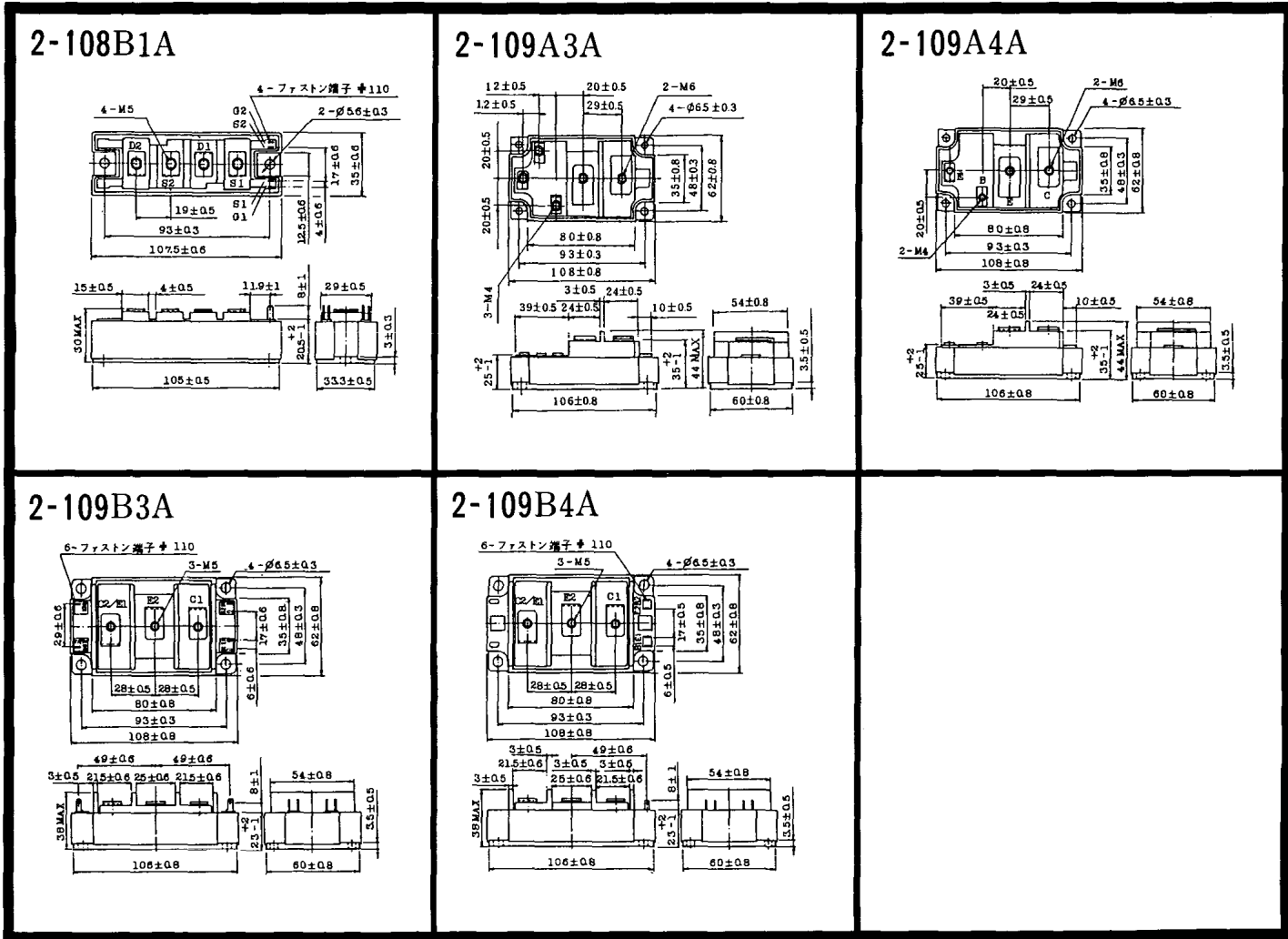
<http://store.iic.cc/>

〈寸法図単位：mm〉



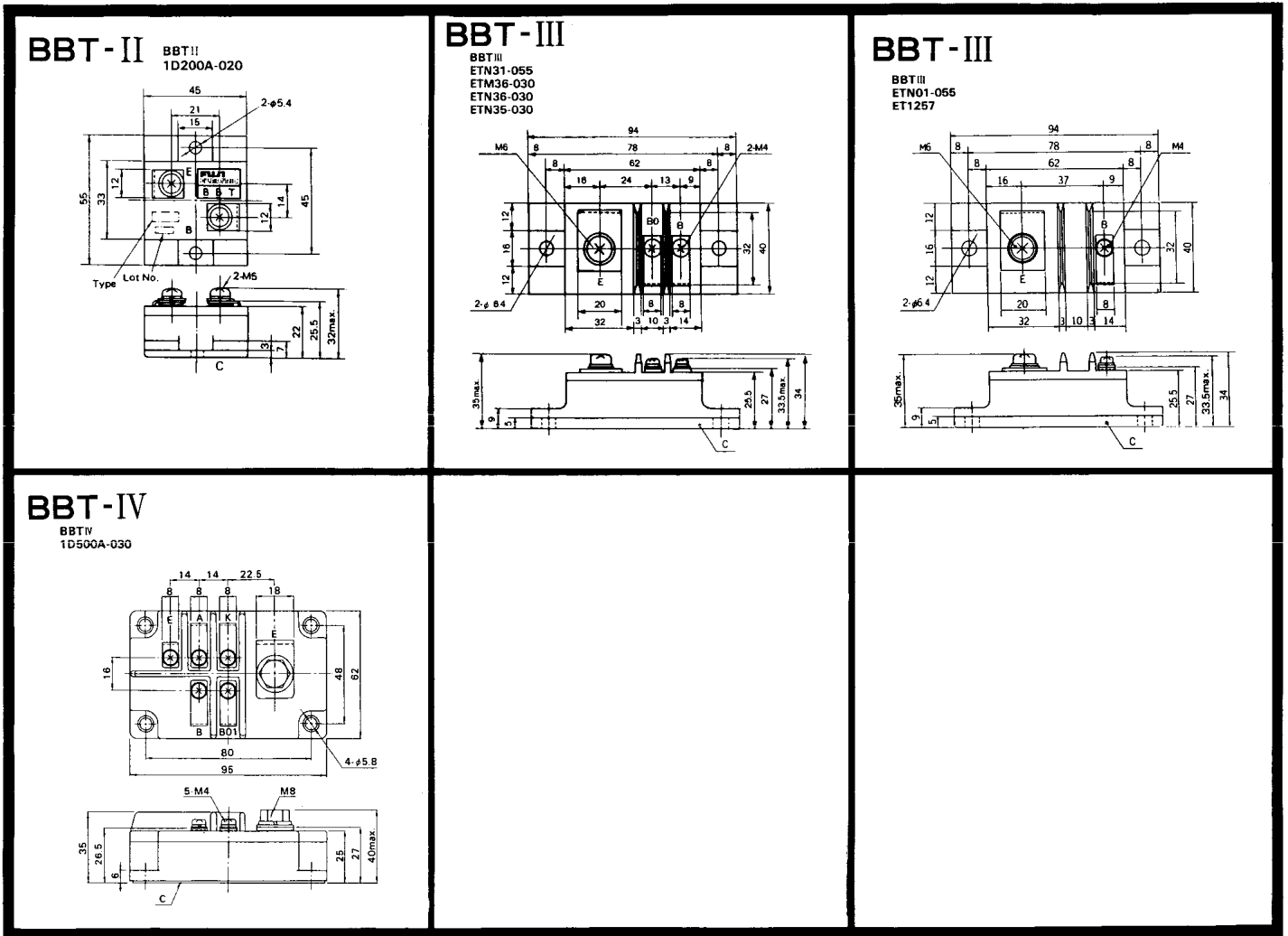
<http://store.iic.cc/>

《寸法図単位：mm》



<寸法図単位: mm>

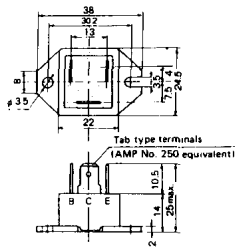
<http://store.iicc.cc/>



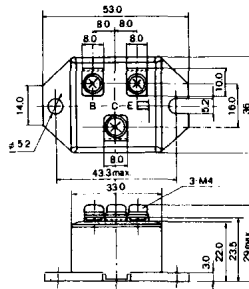
<http://store.iic.cc/>

〈寸法图单位:mm〉

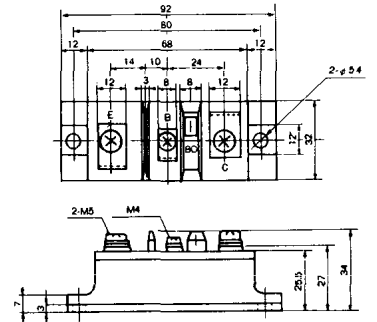
M-101



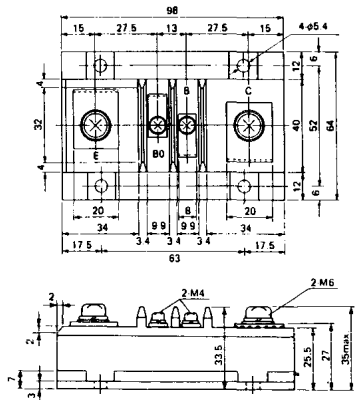
M-102



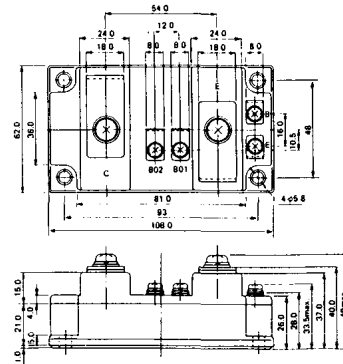
M-103



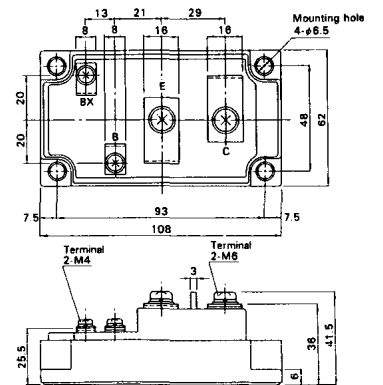
M-104



M-105



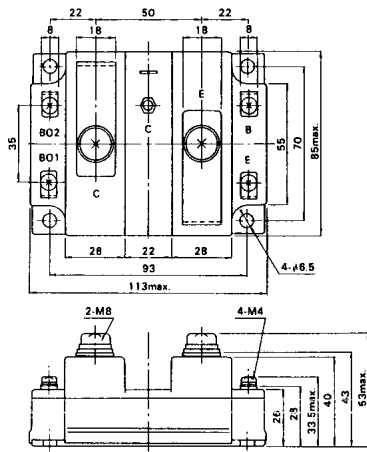
M-106



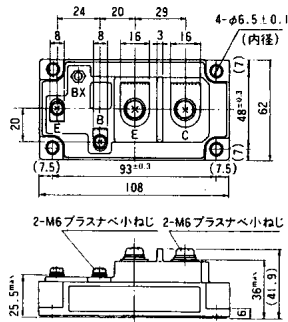
<http://store.iic.cc/>

〈寸法図単位：mm〉

M-107

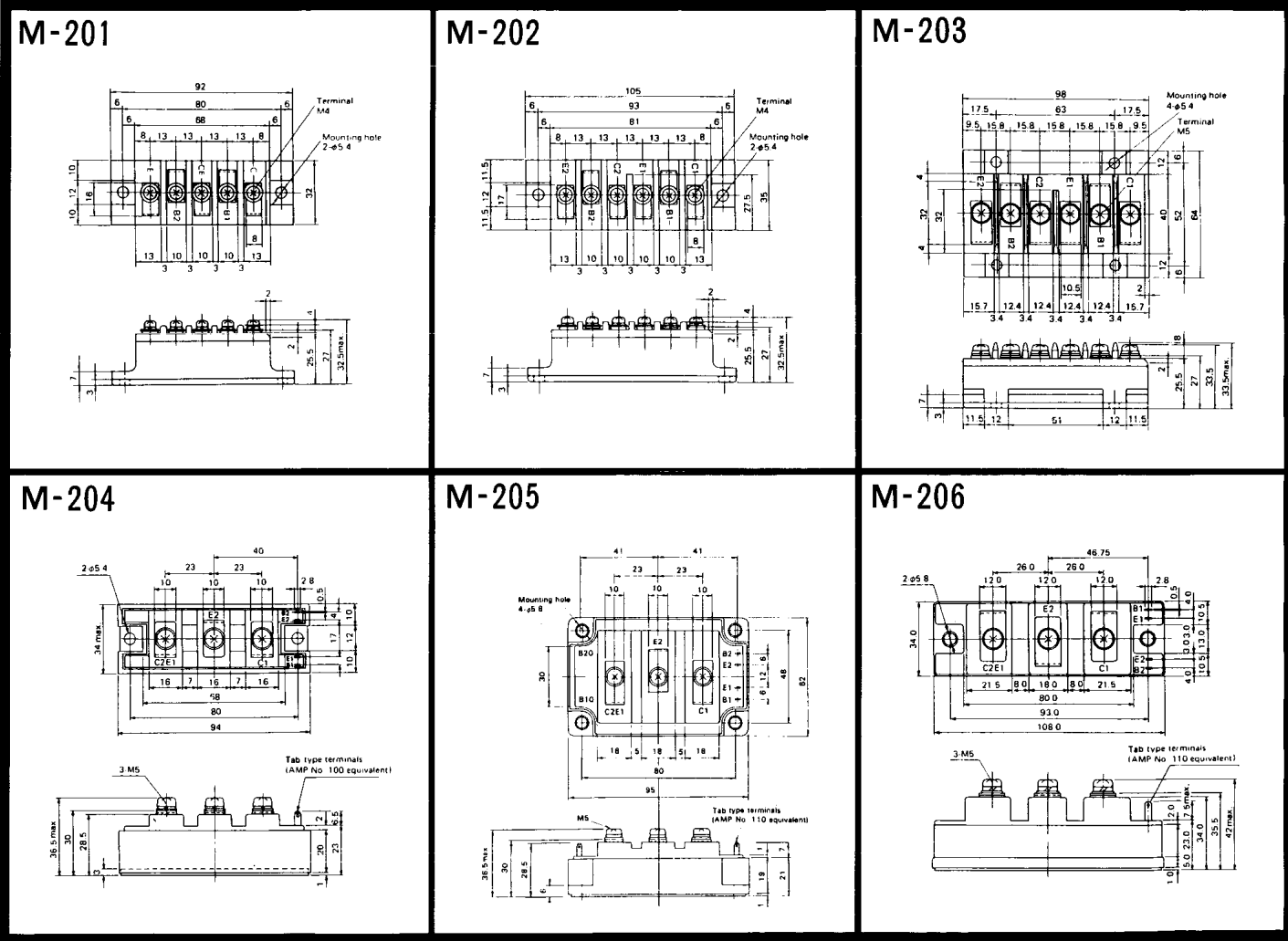


M-116



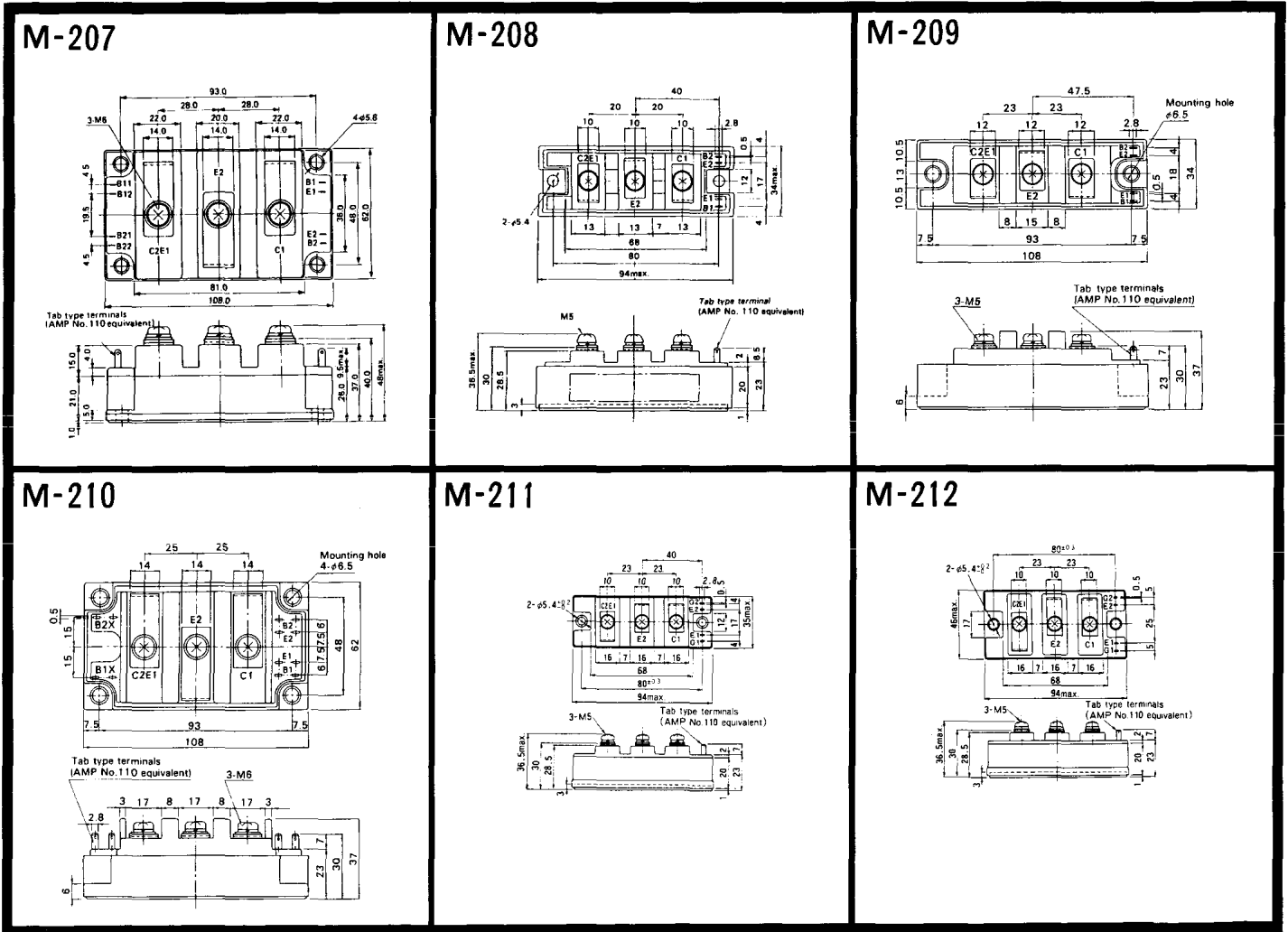
<http://store.iiic.cc/>

〈寸法図単位：mm〉



<http://store.iiic.cc/>

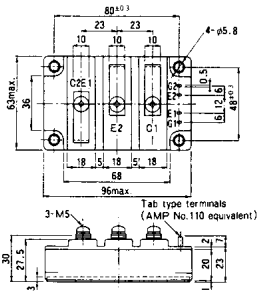
< 寸法図単位 : mm >



《寸法図単位：mm》

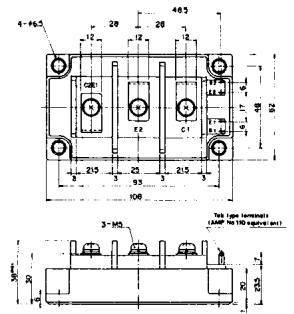
<http://store.iic.cc/>

M-213

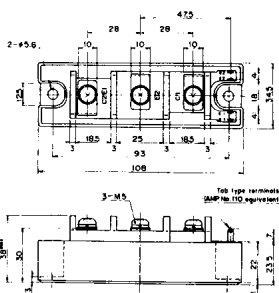


M-214

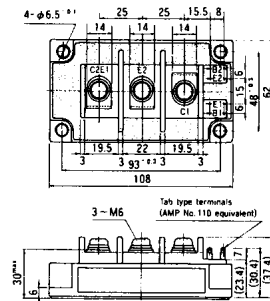
M-215



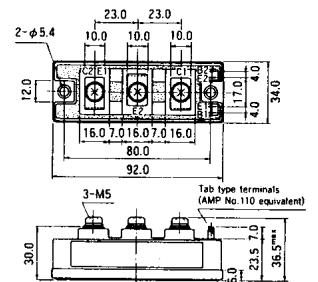
M-216



M-217



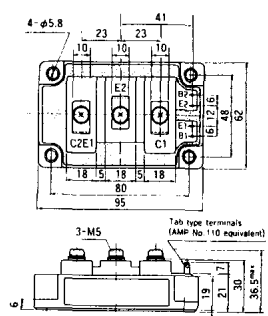
M-218



〈 寸法図単位:mm 〉

<http://store.iic.cc/>

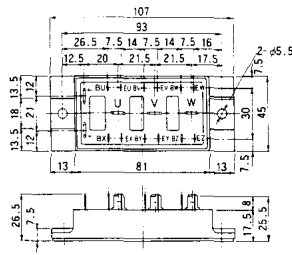
M-219



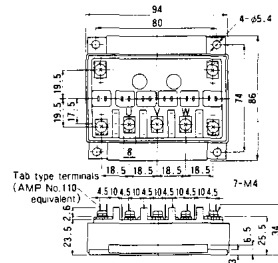
<寸法図単位:mm>

<http://store.iic.cc/>

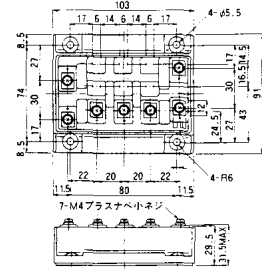
M-607



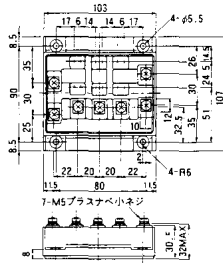
M-608



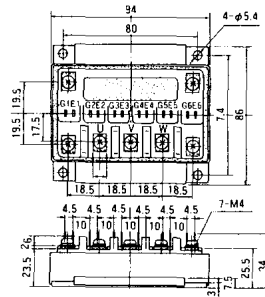
M-609



M-610



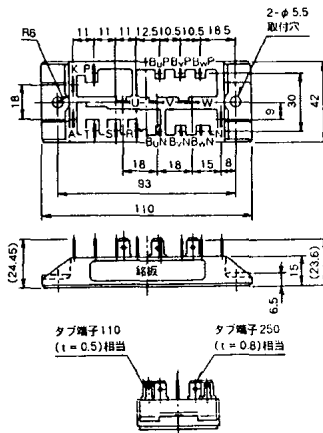
M-616



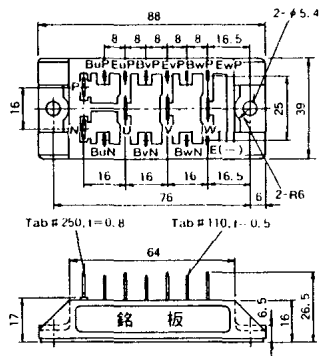
《寸法図単位:mm》

<http://store.iic.cc/>

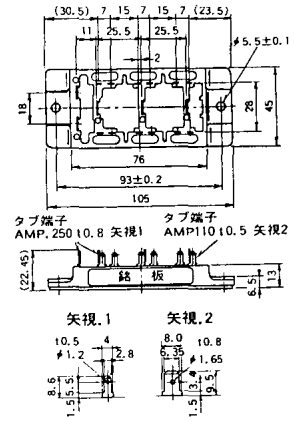
M-2E6A



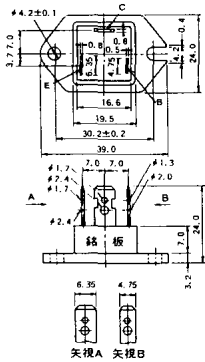
M-2F6A



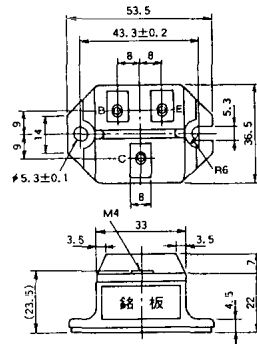
M-2G6A



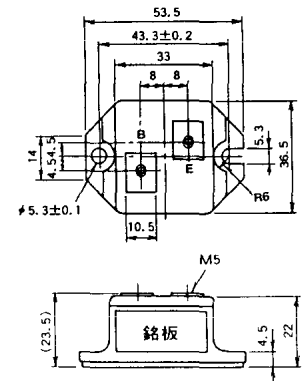
M-3A1A



M-3B1A



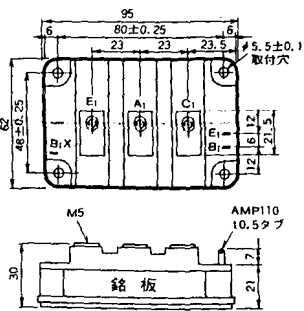
M-3B1B



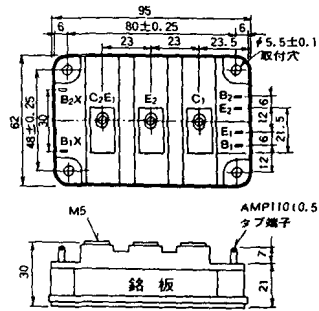
《寸法図単位:mm》

<http://store.iic.cc/>

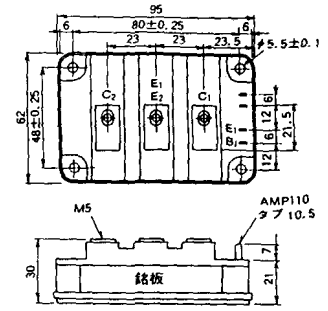
M-8A1B



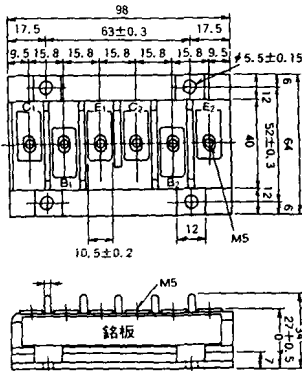
M-8A2A



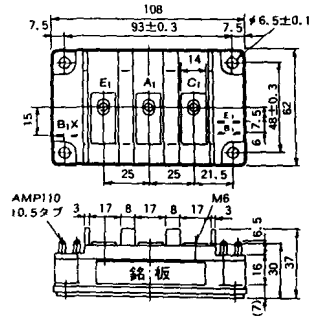
M-8A2B



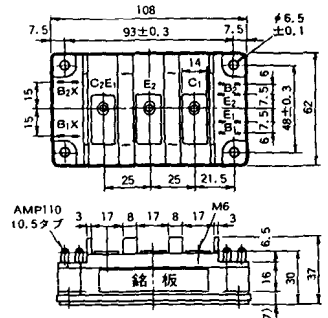
M-8B2A



M-9A1A

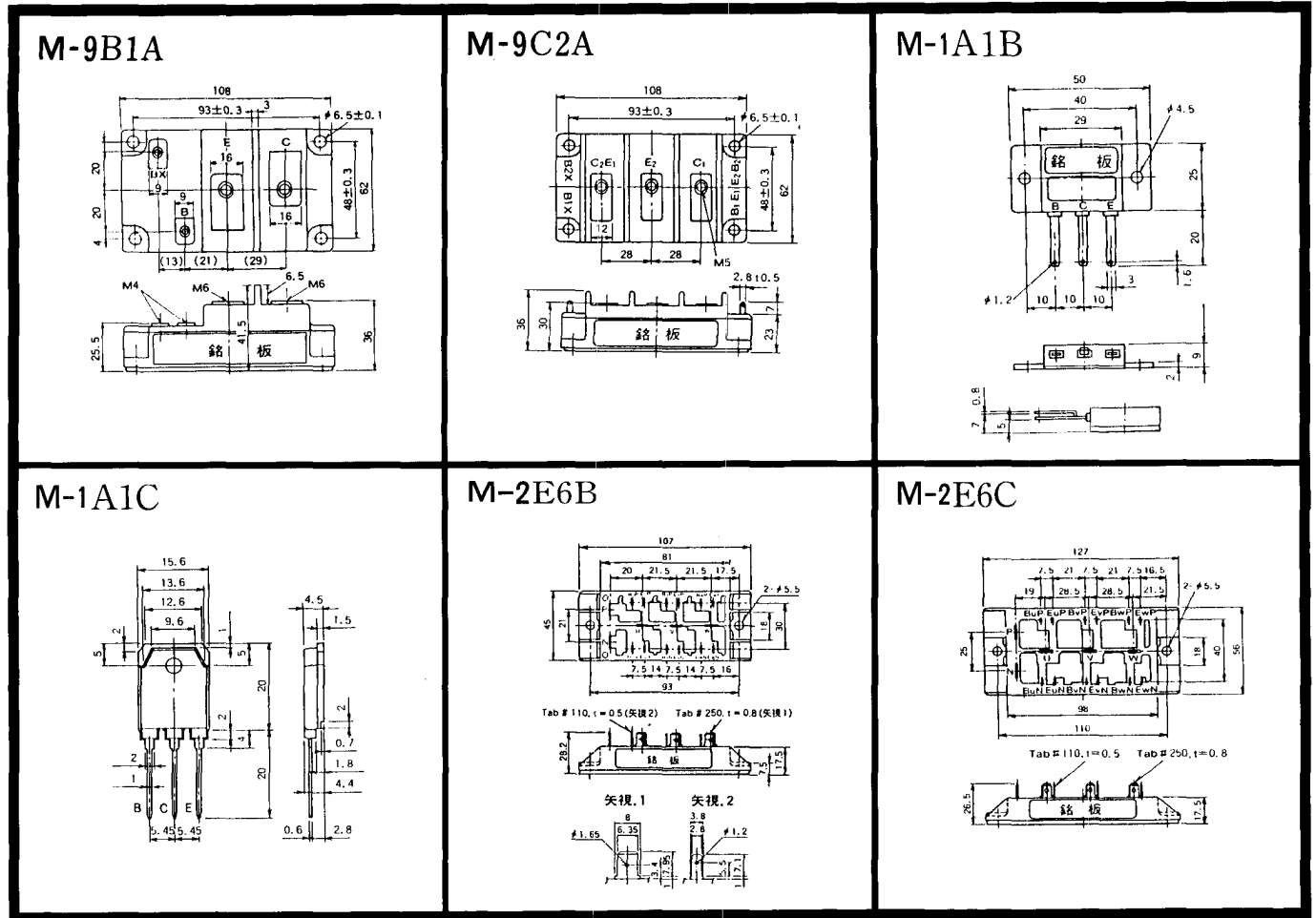


M-9A2A



《寸法図単位:mm》

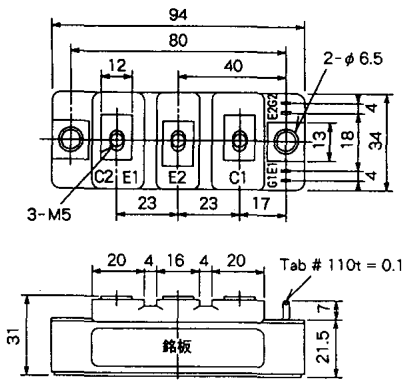
<http://store.iic.cc/>



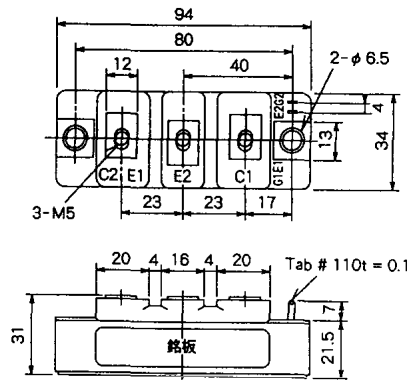
《寸法图单位:mm》

<http://store.iicc.cc/>

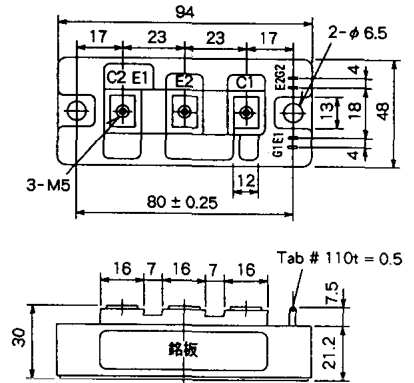
M-4A2D



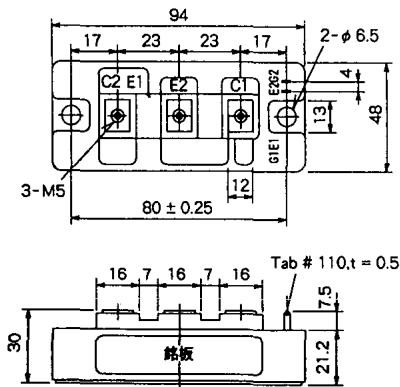
M-4A2E



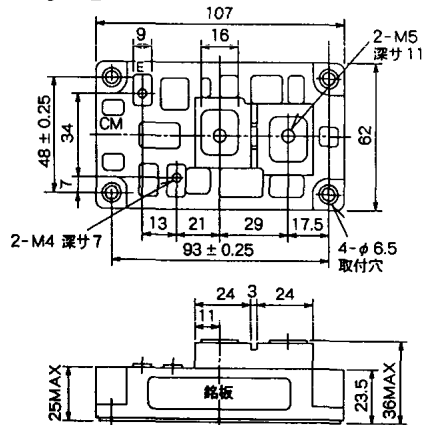
M-4C2A



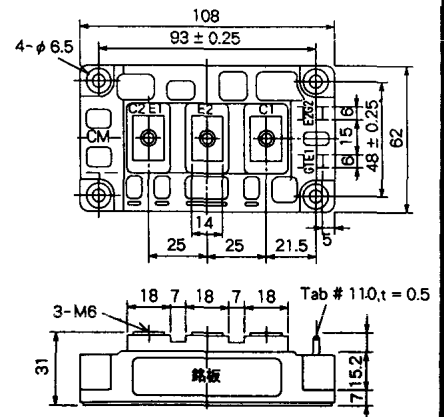
M-4C2B



M-9B1C

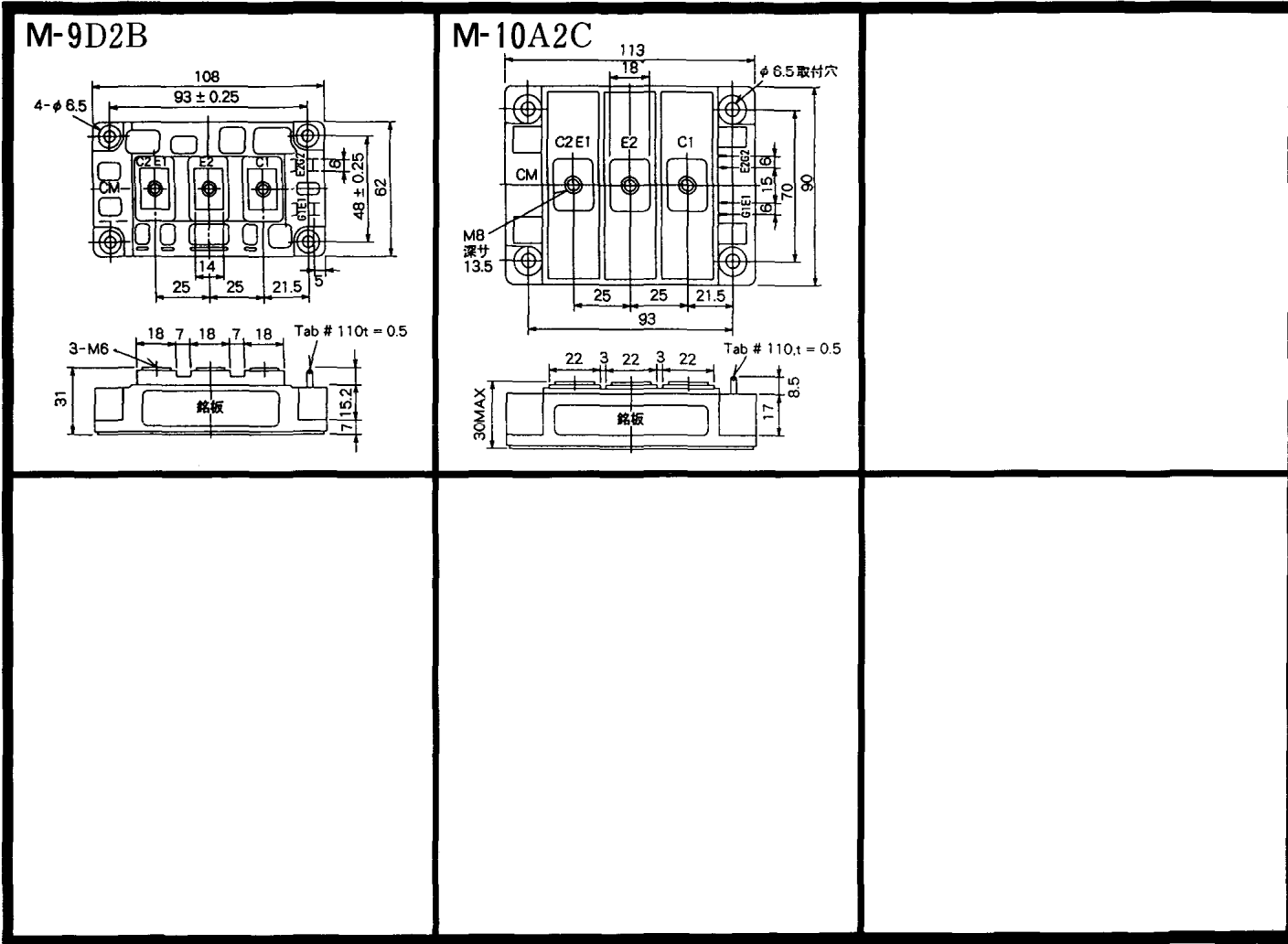


M-9D2A



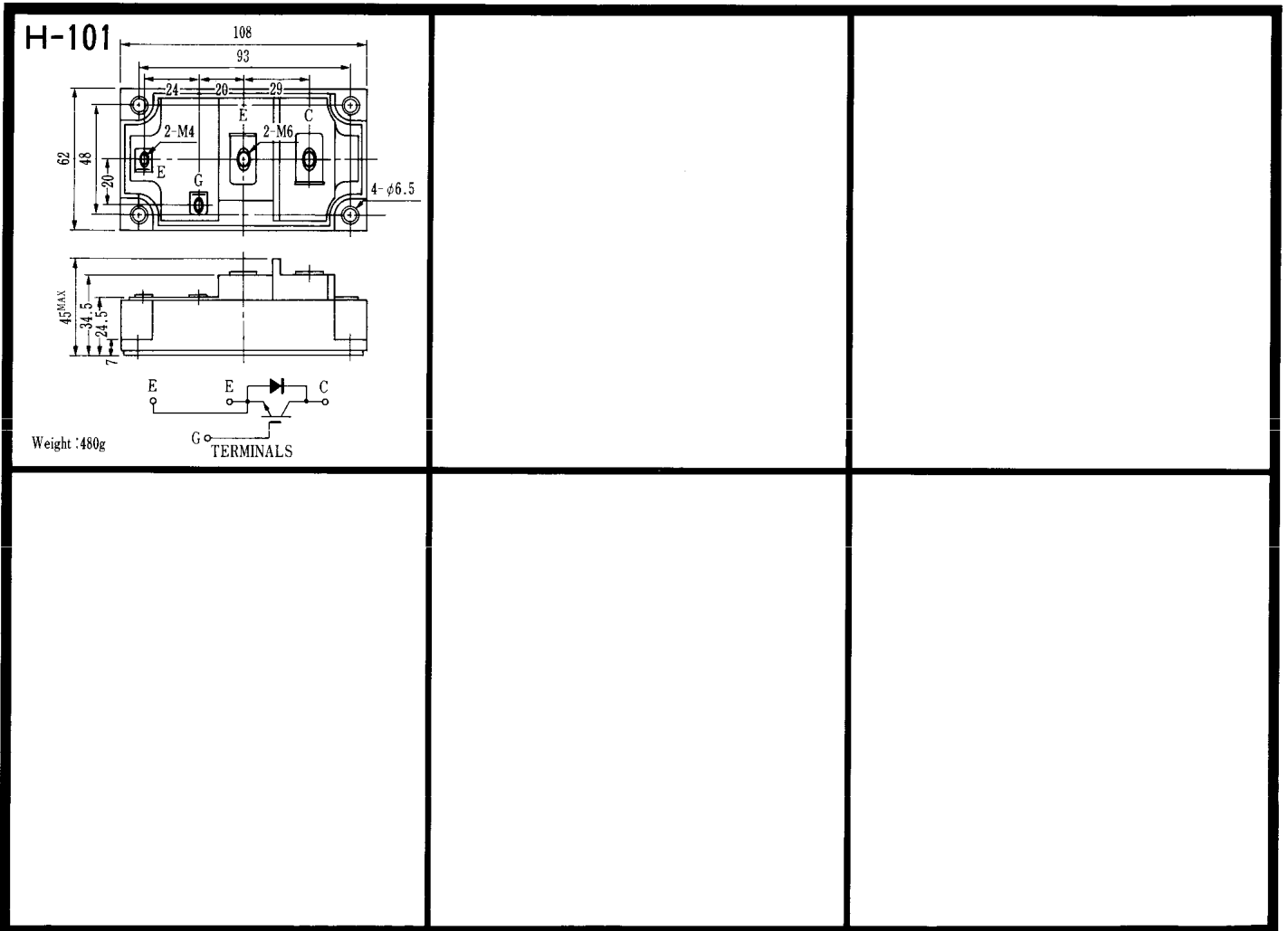
〈寸法図単位：mm〉

<http://store.iic.cc/>



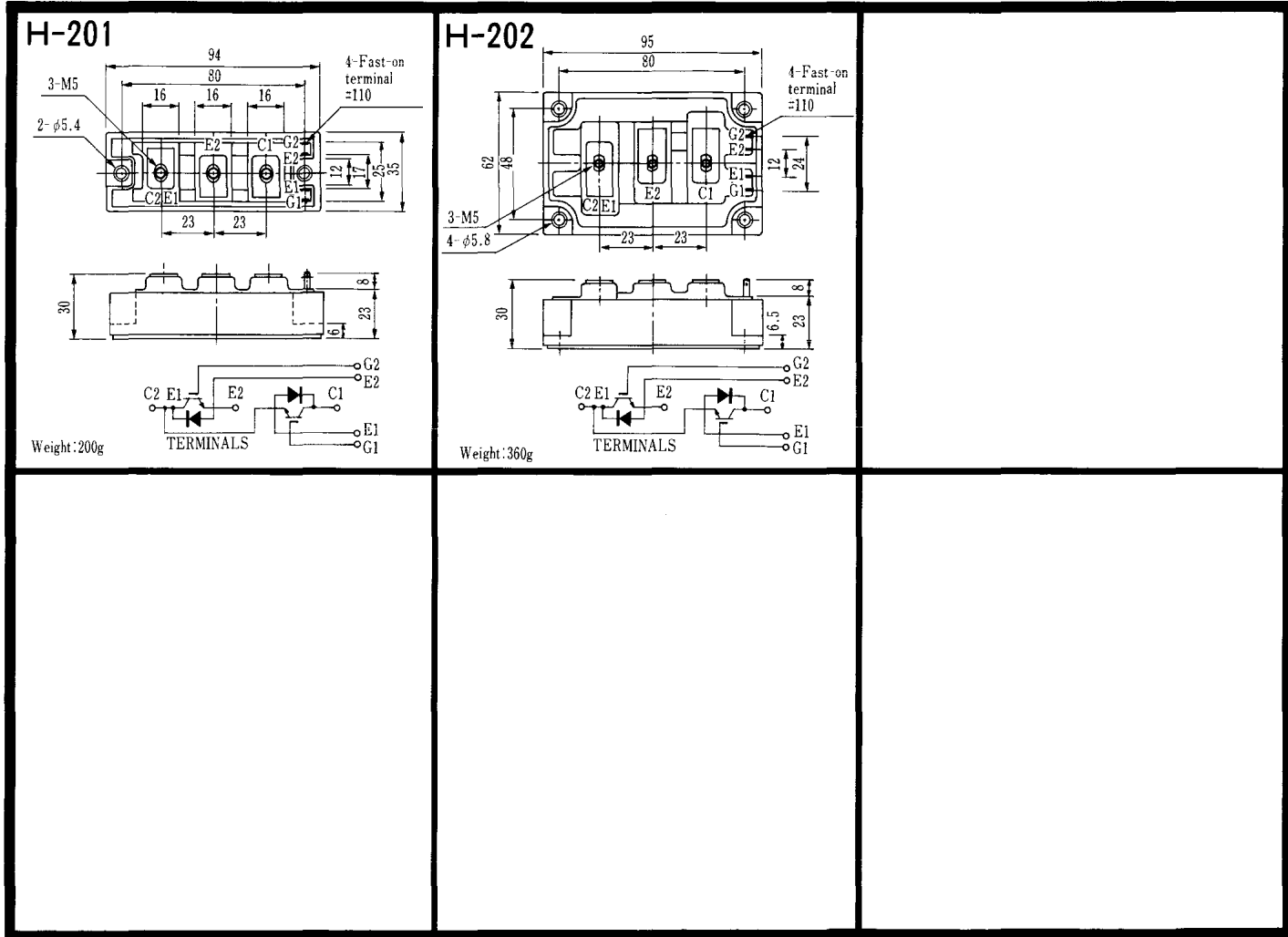
〈寸法図単位：mm〉

<http://store.iic.cc/>



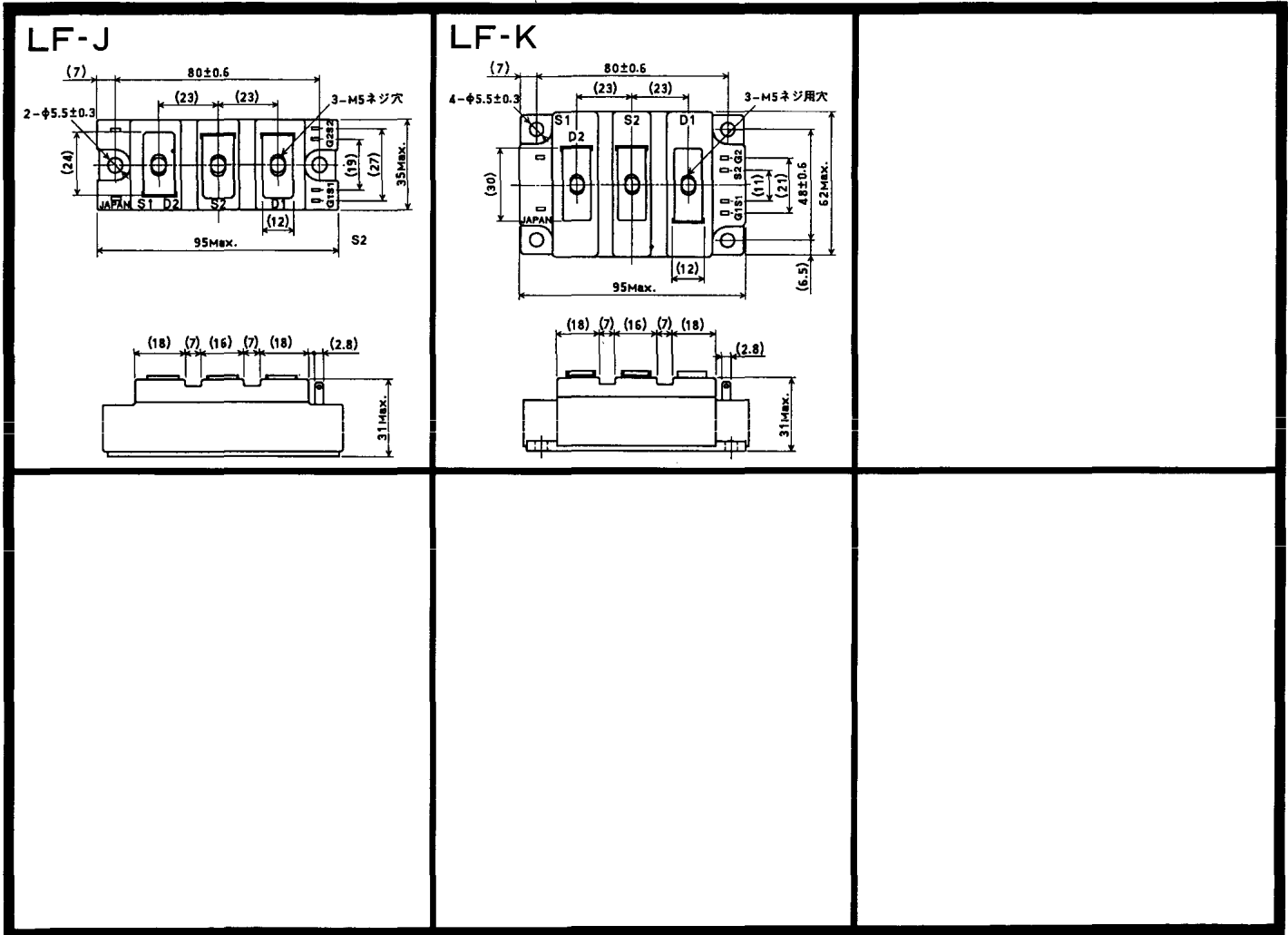
<http://store.iic.cc/>

《寸法图单位:mm》



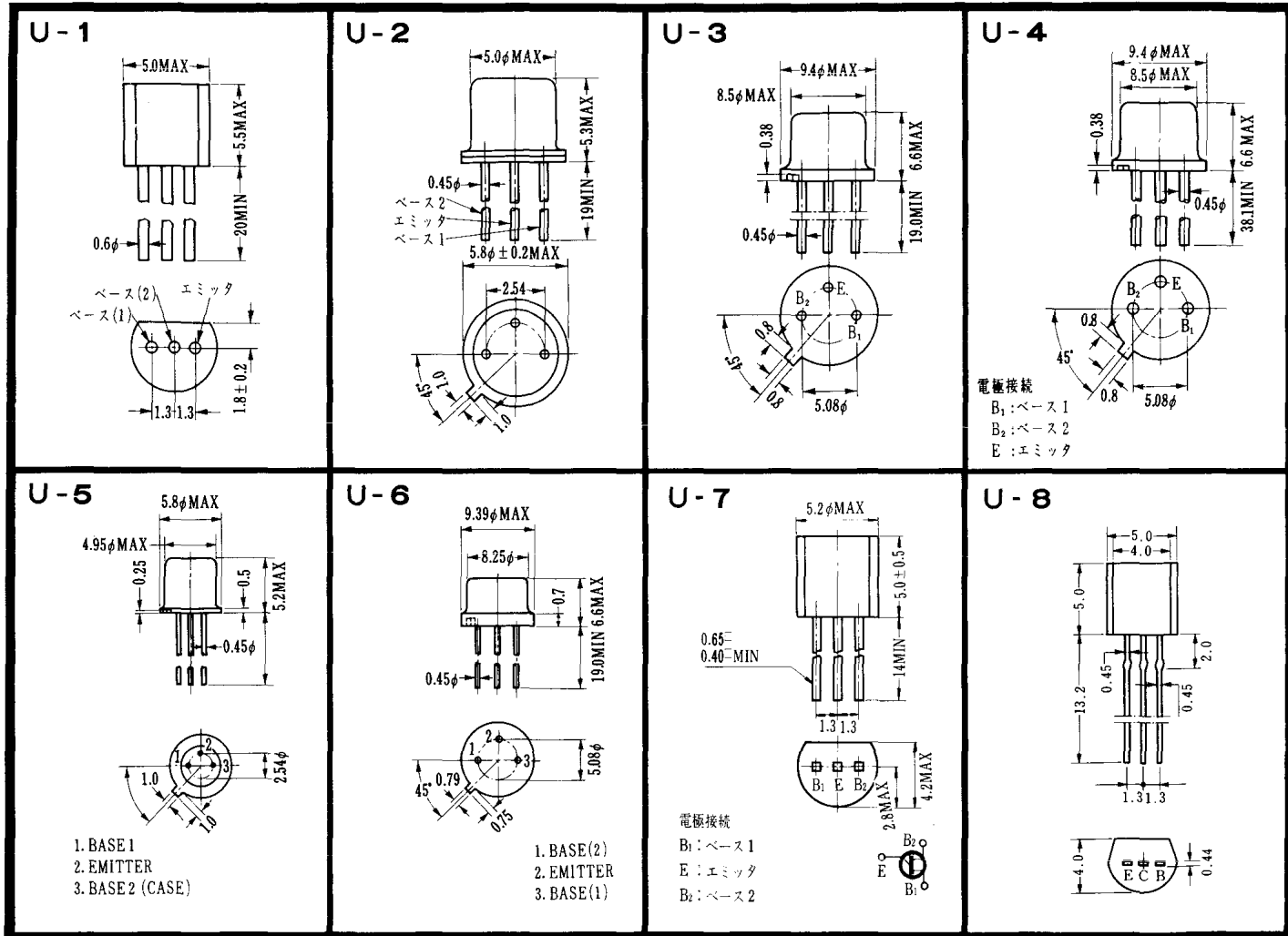
〈寸法図単位:mm〉

<http://store.iic.cc/>



〈寸法図単位：mm〉

<http://store.iic.cc/>



〈寸法図単位: mm〉

<http://store.iic.cc/>