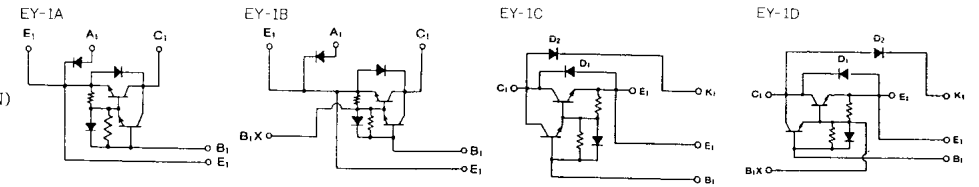


トランジスタ・モジュール (NPN, 1アーム (DCチョップ用))

- DCチョップ用
- ダーリントン・トランジスタ1個内蔵
- フリーホイール・ダイオード付
- 絶縁形
- UL認定済

Yellow Card No. : E80276 (N)  
File No. : E80271

■等価回路

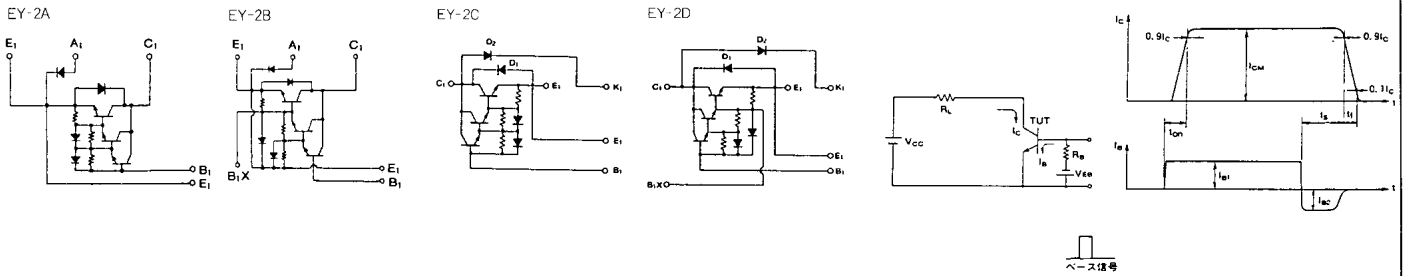


注1.  $I_c = 1A$ ,  $V_{EB} = 2V$ , #印は $V_{CEX}$  ( $V_{EB} = 2V$ )。 注2. 60Hz, 単相半波1サイクル波高値。 注3.  $T_c = 25^\circ C$ 。 注4. AC, 1分間。

型名	最大定格 (T <sub>J</sub> = 25°C)											電気的特性									
	V <sub>CEO</sub>	V <sub>CEX</sub> (SUS)	V <sub>EB0</sub>	I <sub>c</sub>	I <sub>B</sub>	I <sub>F</sub>	I <sub>FM</sub>	P <sub>c</sub>	T <sub>J</sub>	T <sub>stg</sub>	V <sub>iso</sub>	I <sub>CEX</sub> (mA)		I <sub>EB0</sub> (mA)		V <sub>CE0</sub> (SUS)		h <sub>FE</sub>			
	(V)	(V) (注1)	(V)	(A)	(A)	(A)	(A) (注2)	(W) (注3)	(°C)	(°C)	(V) (注4)	最大	V <sub>CE</sub> (V)	V <sub>EB</sub> (V)	最大	V <sub>EB</sub> (V)	最小	I <sub>c</sub> (A)	最小	V <sub>CE</sub> (V)	I <sub>c</sub> (A)
QM30E2Y-H	600	600	7	30	1.8	30	600	250	150	-40~125	2500	1	600	2	200	7			75/100	2/5	30
QM30E2Y-2H	1000	1000	7	30	2.0	30	600	310	150	-40~125	2500	1	1000	2	200	7			75/100	2.8/5	30
QM30E3Y-H	600	600	7	30	1.8	30	600	250	150	-40~125	2500	1	600	2	200	7			75/100	2/5	30
QM30E3Y-2H	1000	1000	7	30	2.0	30	600	310	150	-40~125	2500	1	1000	2	200	7			75/100	2.8/5	30
QM50E2Y-H	600	600	7	50	3.0	50	500	310	150	-40~125	2500	1	600	2	200	7			75/100	2/5	50
QM50E2Y-2H	1000	1000	7	50	3.0	50	500	400	150	-40~125	2500	1	1000	2	200	7			75/100	2.8/5	50
QM50E3Y-H	600	600	7	50	3.0	50	500	310	150	-40~125	2500	1	600	2	200	7			75/100	2/5	50
QM50E3Y-2H	1000	1000	7	50	3.0	50	500	400	150	-40~125	2500	1	1000	2	200	7			75/100	2.8/5	50
QM75E2Y-H	600	600	7	75	4.5	75	750	350	150	-40~125	2500	1	600	2	200	7			75/100	2/5	75
QM75E2Y-2H	1000	1000	7	75	4.0	75	750	500	150	-40~125	2500	1	1000	2	100	7			75/100	2.8/5	75
QM75E3Y-H	600	600	7	75	4.5	75	750	350	150	-40~125	2500	1	600	2	200	7			75/100	2/5	75
QM75E3Y-2H	1000	1000	7	75	4.0	75	750	500	150	-40~125	2500	1	1000	2	100	7			75/100	2.8/5	75
QM100E2Y-H	600	600	7	100	6.0	100	1000	620	150	-40~125	2500	2	600	2	300	7			75/100	2/5	100
QM100E2Y-2H	1000	1000	7	100	5.0	100	1000	800	150	-40~125	2500	2	1000	2	400	7			75/100	2.8/5	100
QM100E3Y-H	600	600	7	100	6.0	100	1000	620	150	-40~125	2500	2	600	2	300	7			75/100	2/5	100
QM100E3Y-2H	1000	1000	7	100	5.0	100	1000	800	150	-40~125	2500	2	1000	2	400	7			75/100	2.8/5	100
QM150E2Y-H	600	600	7	150	9.0	150	1500	690	150	-40~125	2500	2	600	2	150	7			75/100	2/5	150
QM150E2Y-2H	1000	1000	7	150	8.0	150	1500	1000	150	-40~125	2500	2	1000	2	200	7			75/100	2.8/5	150
QM150E3Y-H	600	600	7	150	9.0	150	1500	690	150	-40~125	2500	2	600	2	150	7			75/100	2/5	150
QM150E3Y-2H	1000	1000	7	150	8.0	150	1500	1000	150	-40~125	2500	2	1000	2	200	7			75/100	2.8/5	150

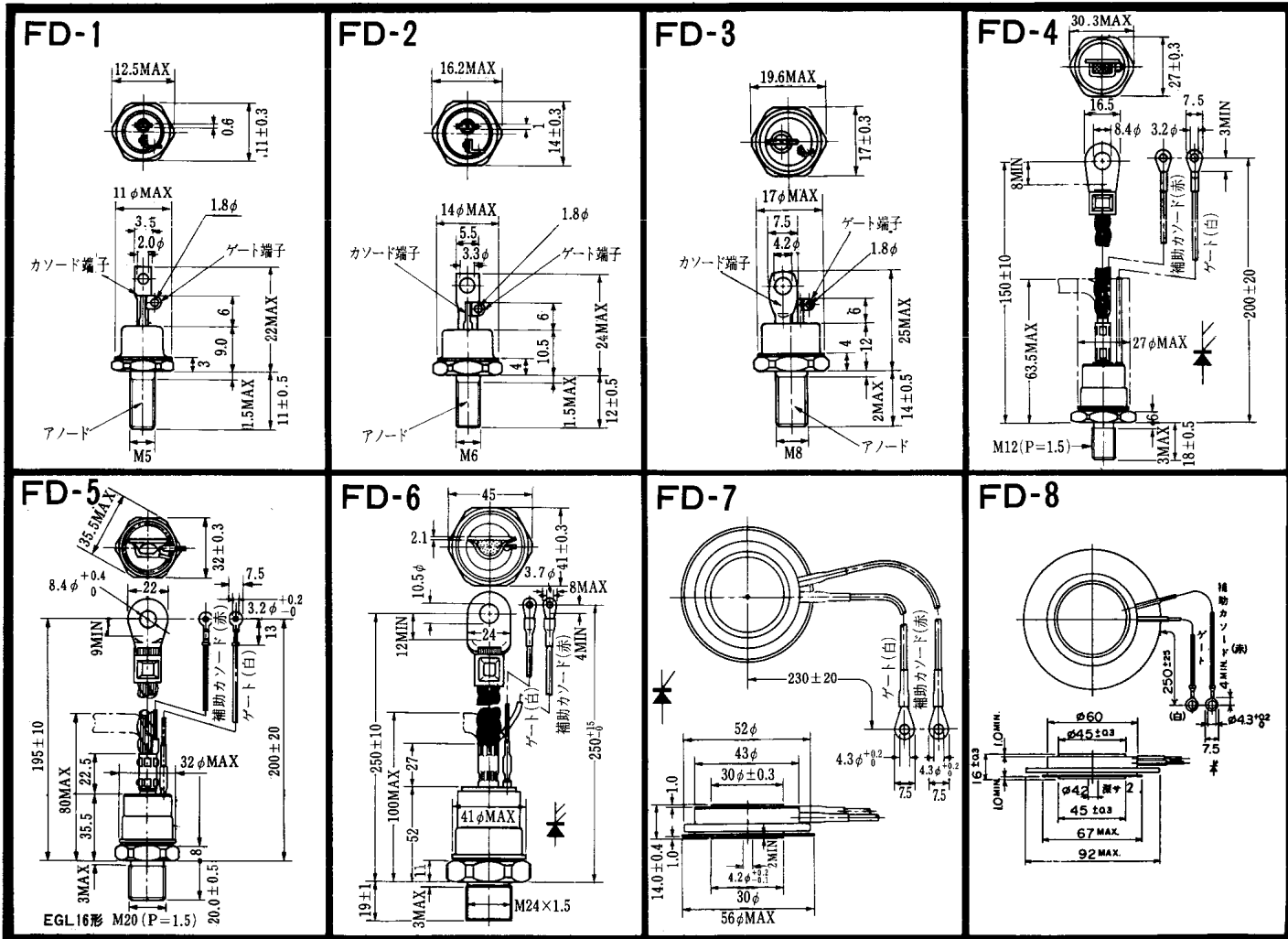
<http://store.iic.cc/>

■スイッチング時間測定回路



(T <sub>J</sub> =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 <sub>C</sub> (A)	I <sub>B</sub> (A)	スイッチング時間 (μs)			I <sub>B1</sub> (A)	I <sub>B2</sub> (A)	V <sub>CC</sub> (V)	I <sub>C</sub> (A)	V <sub>F</sub> (V)	I <sub>F</sub> (A)	t <sub>rr</sub> (μs)	I <sub>F</sub> (A)	V <sub>R</sub> (V)	di/dt (A/μs)					θ <sub>J-c</sub> (°C/W)	
V <sub>CE</sub> 最大	V <sub>BE</sub> 最大			t <sub>on</sub> 最大	t <sub>off</sub> 最大	t <sub>r</sub> 最大															トランジスタ部 最大	タイフ部 最大
2.0	2.5	30	0.4	1.5	12	3.0	0.6	-0.6	300	30	1.85	30					0.5	2.0	EY-1A	M-4A1B	QM30E2Y-H	
2.5	3.5	30	0.6	2.5	15	3.0	0.6	-0.6	600	30	1.8	30					0.4	1.5	EY-2A	M-4A1B	QM30E2Y-2H	
2.0	2.5	30	0.4	1.5	12	3.0	0.6	-0.6	300	30	1.85	30					0.5	2.0	EY-1C	M-4A1B	QM30E3Y-H	
2.5	3.5	30	0.6	2.5	15	3.0	0.6	-0.6	600	30	1.8	30					0.4	1.5	EY-2C	M-4A1B	QM30E3Y-2H	
2.0	2.5	50	0.65	1.5	12	3.0	1.0	-1.0	300	50	1.75	50					0.4	1.3	EY-1A	M-4A1B	QM50E2Y-H	
2.5	3.5	50	1.0	2.5	15	3.0	1.0	-1.0	600	50	1.8	50					0.31	1.2	EY-2A	M-4A1B	QM50E2Y-2H	
2.0	2.5	50	0.65	1.5	12	3.0	1.0	-1.0	300	50	1.75	50					0.4	1.3	EY-1C	M-4A1B	QM50E3Y-H	
2.5	3.5	50	1.0	2.5	15	3.0	1.0	-1.0	600	50	1.8	50					0.31	1.2	EY-2C	M-4A1B	QM50E3Y-2H	
2.0	2.5	75	1.0	2.5	12	3.0	1.5	-1.5	300	75	1.85	75					0.35	1.3	EY-1A	M-4A1B	QM75E2Y-H	
2.5	3.5	75	1.5	2.5	15	3.0	1.5	-1.5	600	75	1.8	75					0.25	1.2	EY-2A	M-5A1B	QM75E2Y-2H	
2.0	2.5	75	1.0	2.5	12	3.0	1.5	-1.5	300	75	1.85	75					0.35	1.3	EY-1C	M-4A1B	QM75E3Y-H	
2.5	3.5	75	1.5	2.5	15	3.0	1.5	-1.5	600	75	1.8	75					0.25	1.2	EY-2C	M-5A1B	QM75E3Y-2H	
2.0	2.5	100	1.3	2.0	12	3.0	2.0	-2.0	300	100	1.75	100					0.2	0.65	EY-1B	M-8A1B	QM100E2Y-H	
2.5	3.5	100	2.0	3.0	15	3.0	2.0	-2.0	600	100	1.8	100					0.155	0.65	EY-2B	M-9A1A	QM100E2Y-2H	
2.0	2.5	100	1.3	2.0	12	3.0	2.0	-2.0	300	100	1.75	100					0.2	0.65	EY-1D	M-8A1B	QM100E3Y-H	
2.5	3.5	100	2.0	3.0	15	3.0	2.0	-2.0	600	100	1.8	100					0.155	0.65	EY-2D	M-9A1A	QM100E3Y-2H	
2.0	2.5	150	2.0	2.5	12	3.0	3.0	-3.0	300	150	1.85	150					0.18	0.6	EY-1B	M-8A1B	QM150E2Y-H	
2.5	3.5	150	3.0	3.0	15	3.0	3.0	-3.0	600	150	1.8	150					0.125	0.6	EY-2B	M-9A1A	QM150E2Y-2H	
2.0	2.5	150	2.0	2.5	12	3.0	3.0	-3.0	300	150	1.85	150					0.18	0.6	EY-1D	M-8A1B	QM150E3Y-H	
2.5	3.5	150	3.0	3.0	15	3.0	3.0	-3.0	600	150	1.8	150					0.125	0.6	EY-2D	M-9A1A	QM150E3Y-2H	

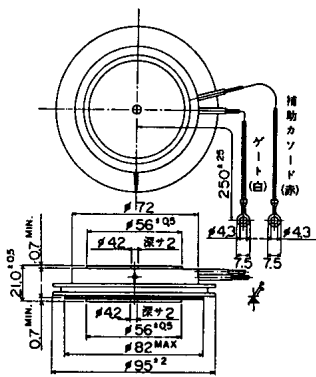
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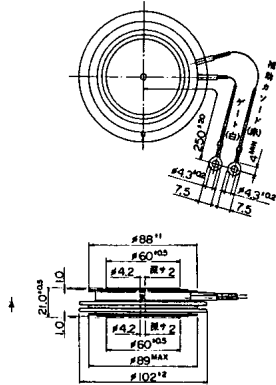
<http://store.iicc/>

〈寸法図単位:mm〉

FD-9

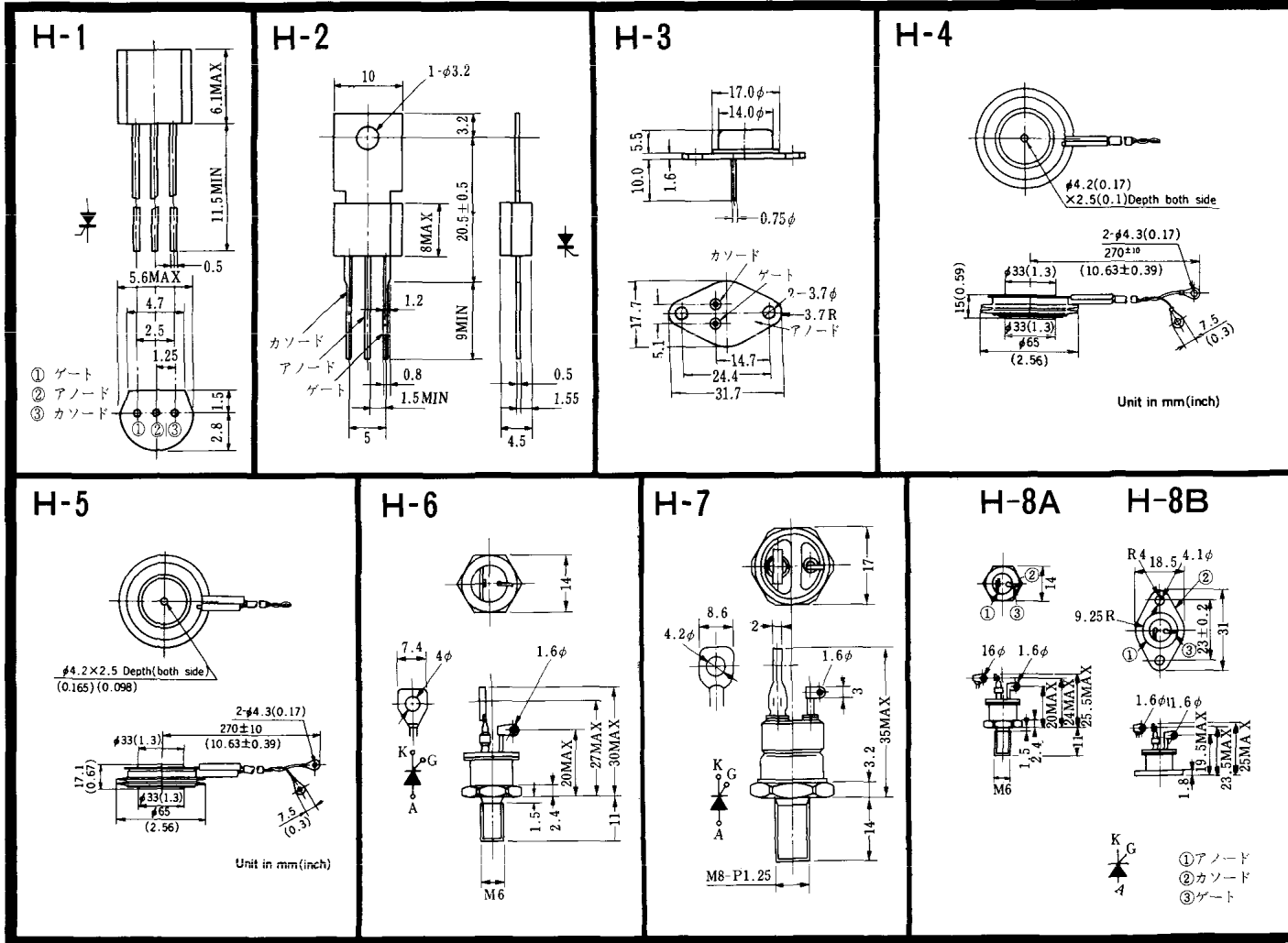


FD-10

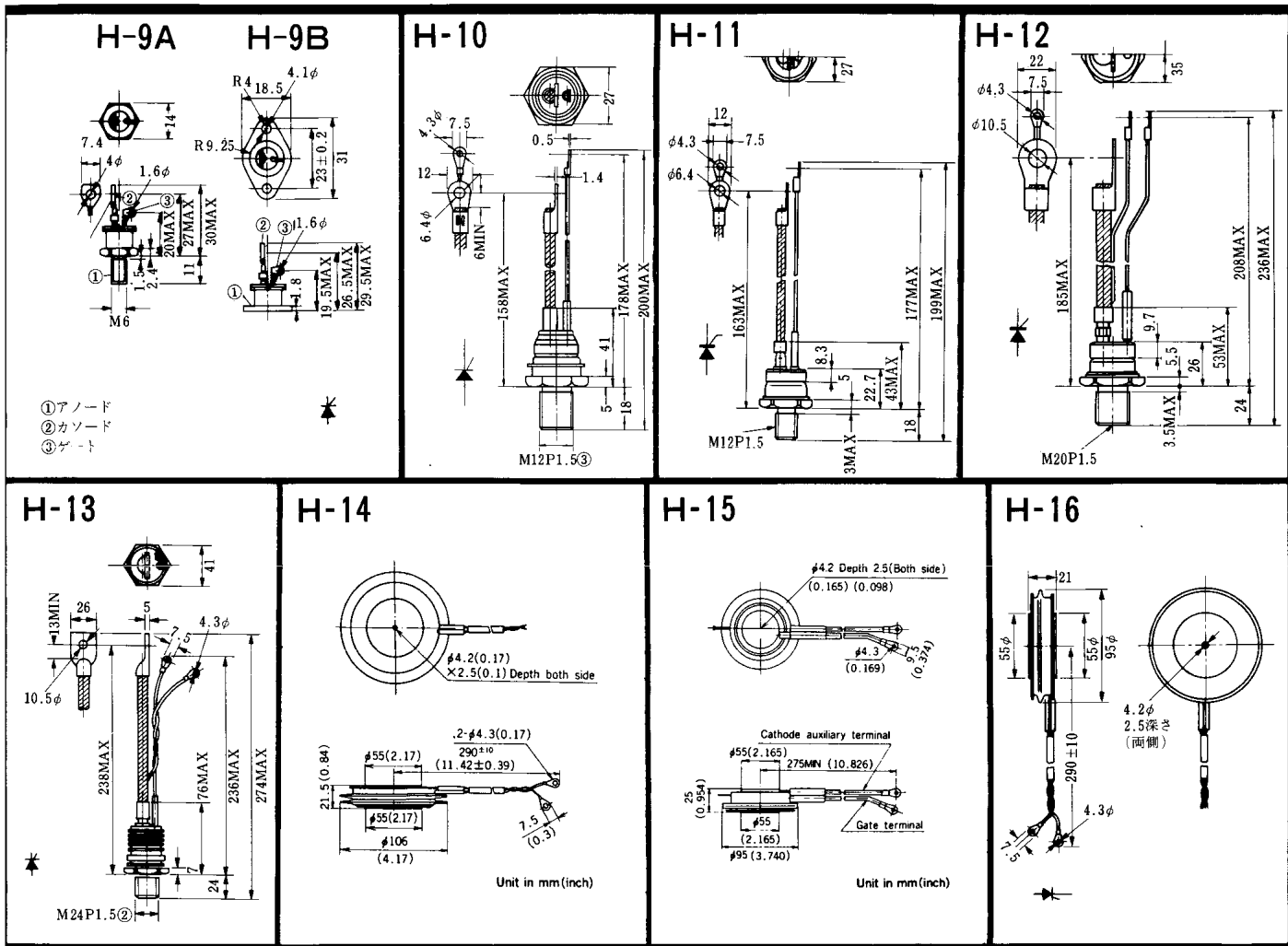


FD-11

FD-12

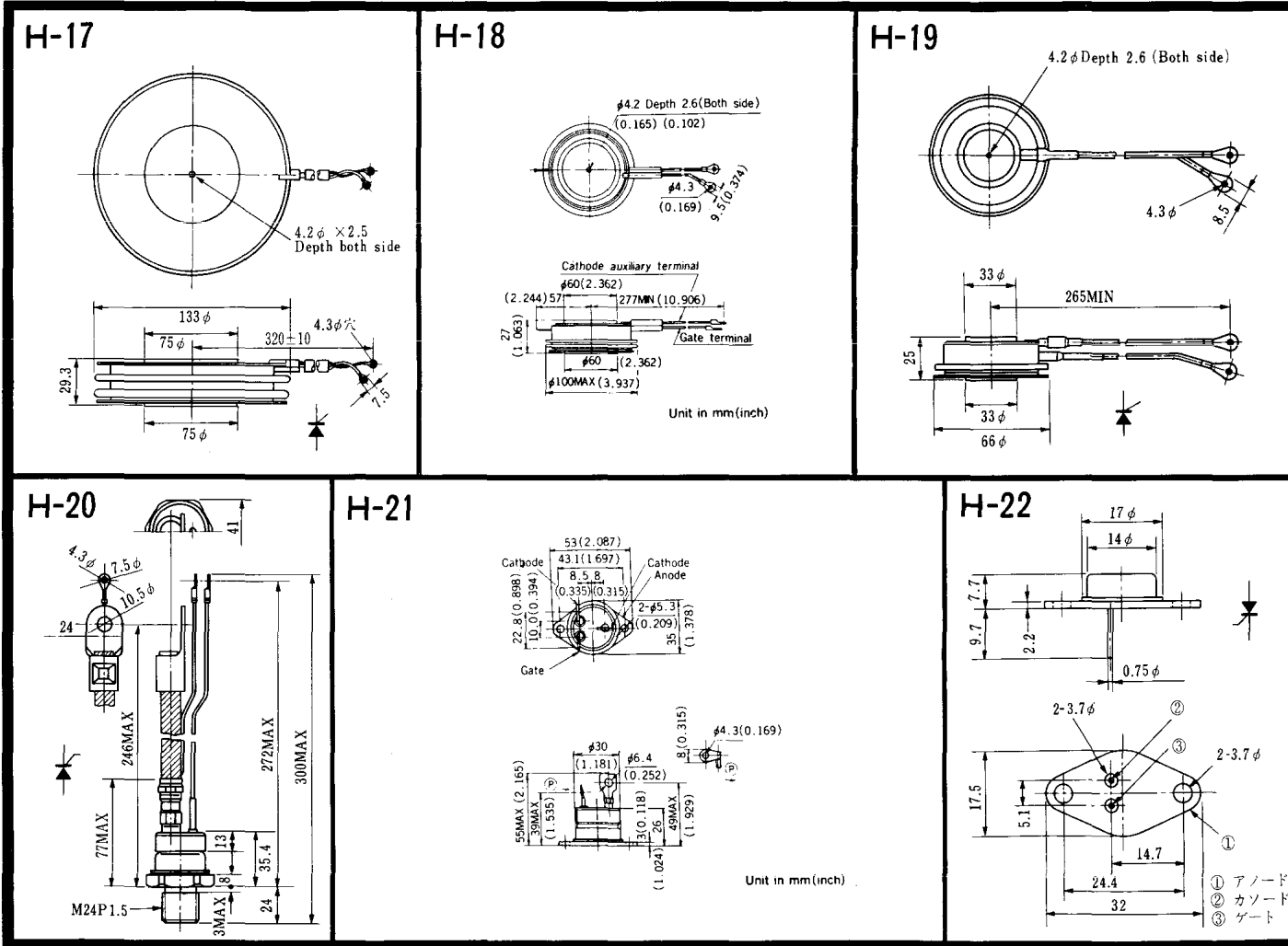


<http://store.iicc.cc/>



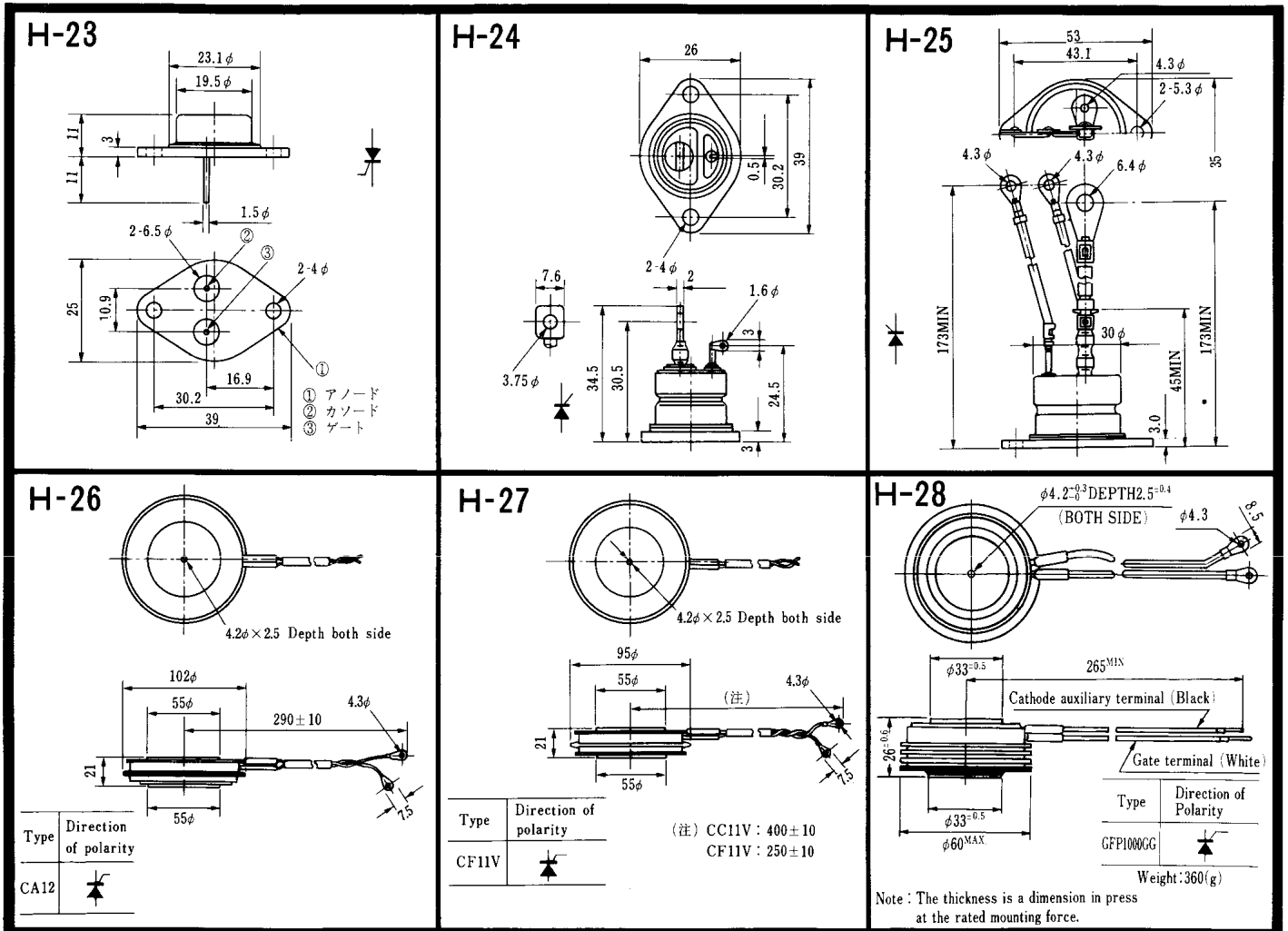
《寸法図単位：mm》

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



《寸法図単位：mm》

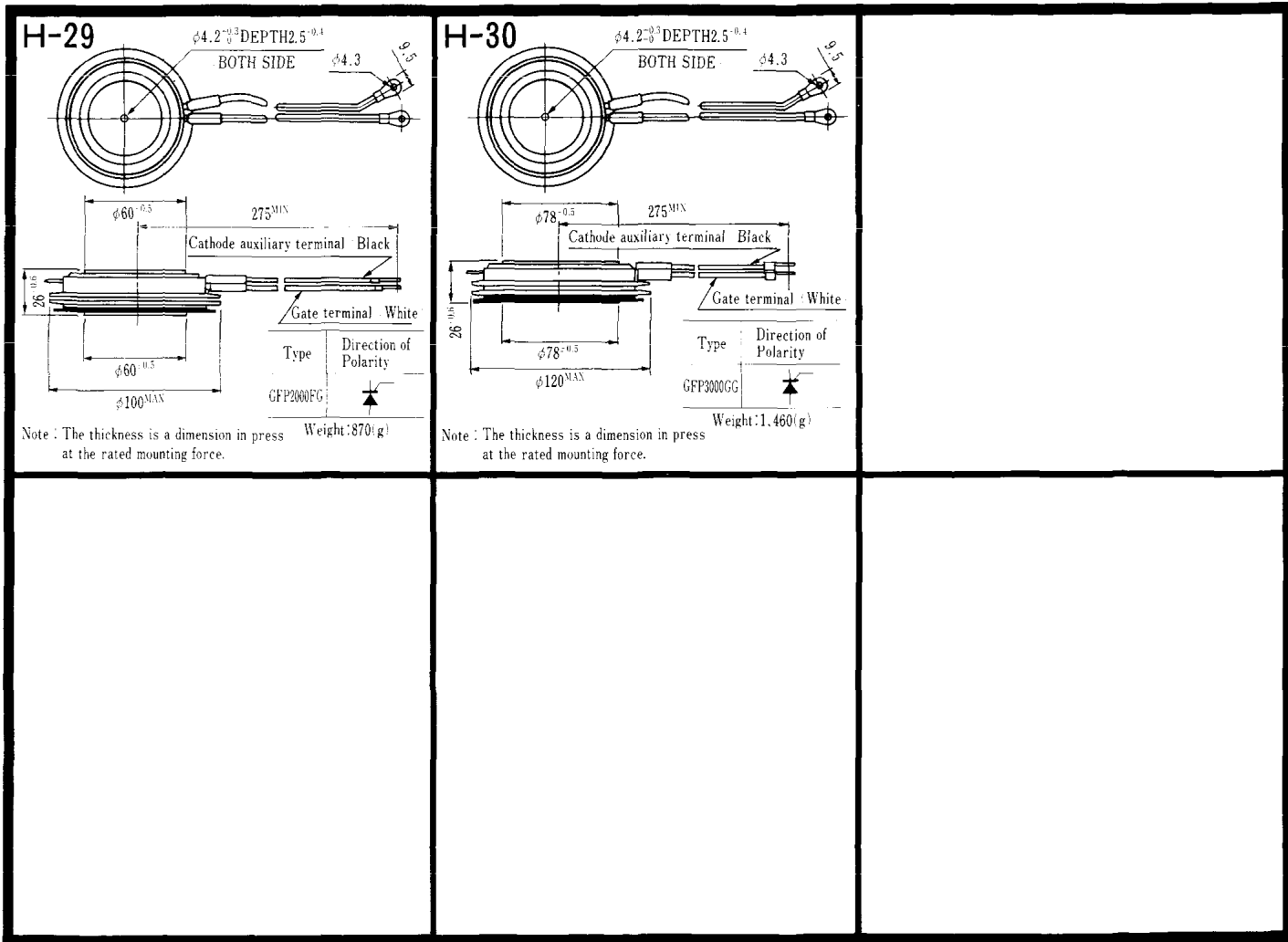
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《寸法図単位：mm》

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

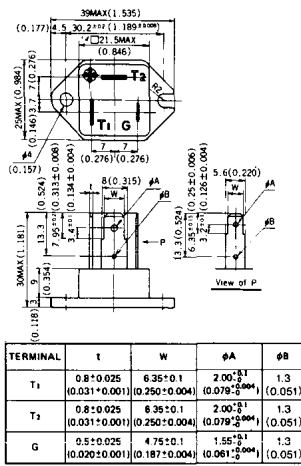




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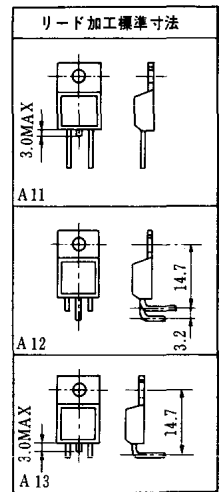
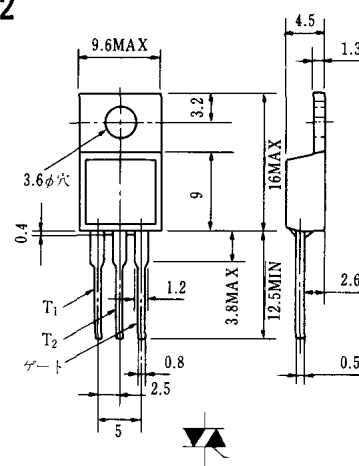
<http://store.iic.cc/>

### HT-1

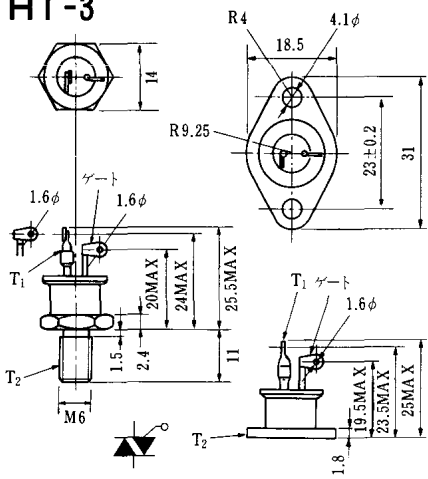


Unit in mm (inch)

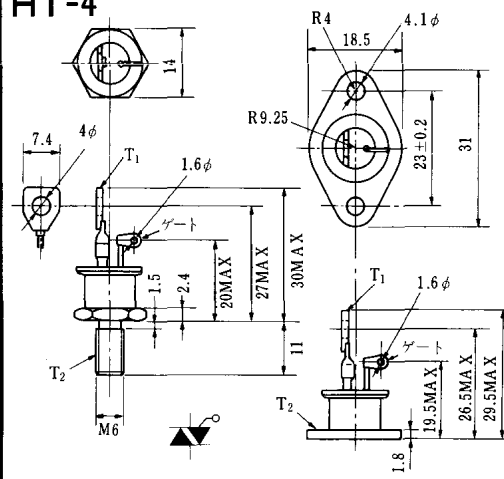
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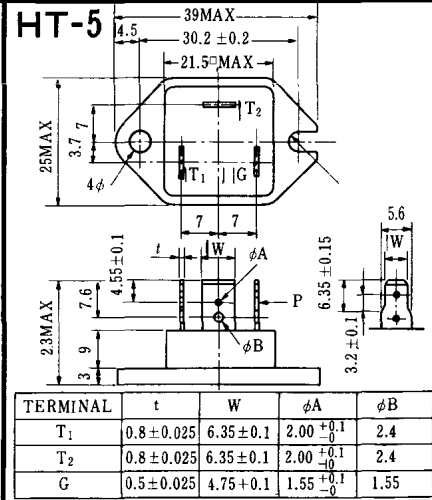
### HT-3



### HT-4

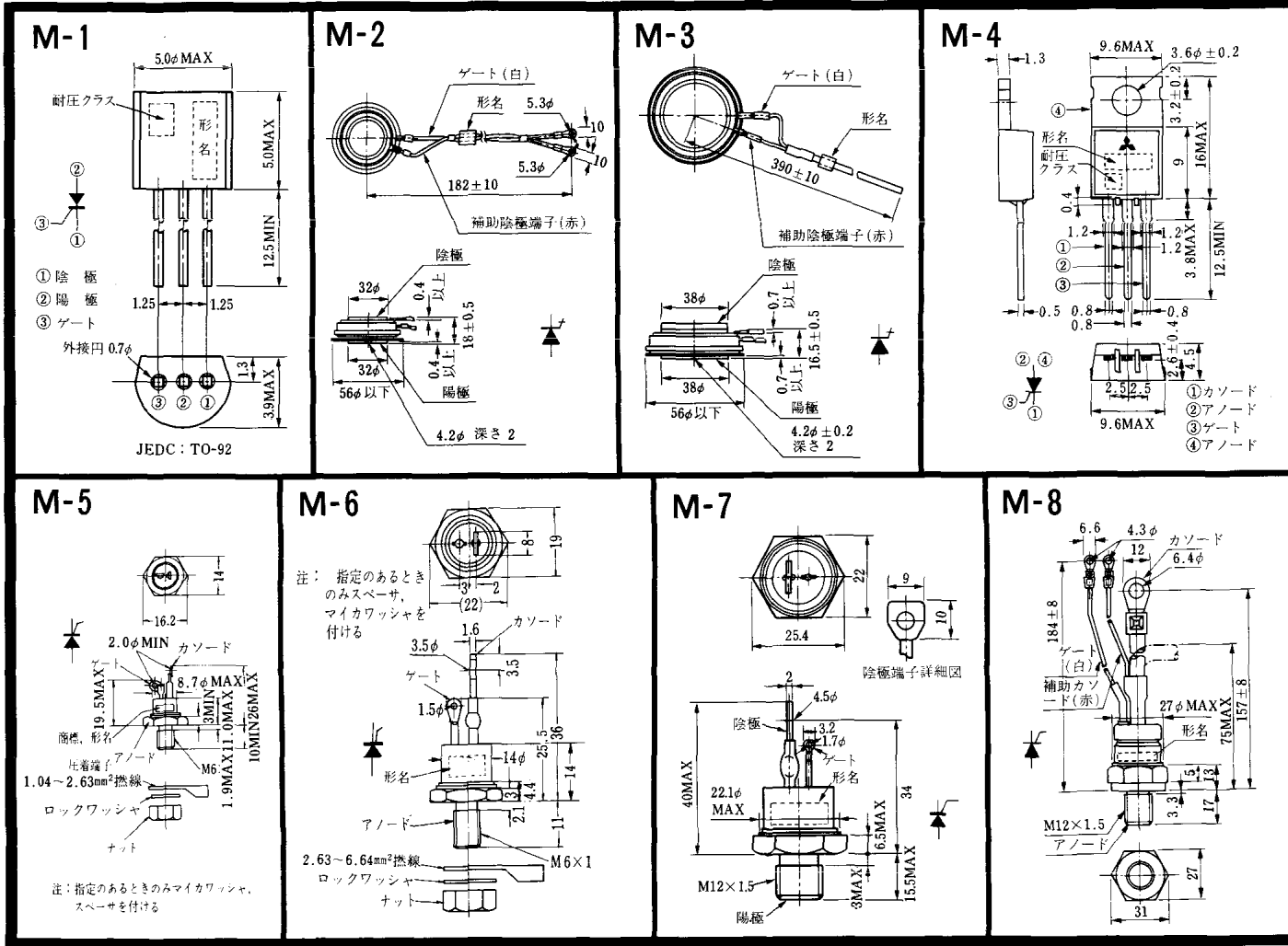


### HT-5



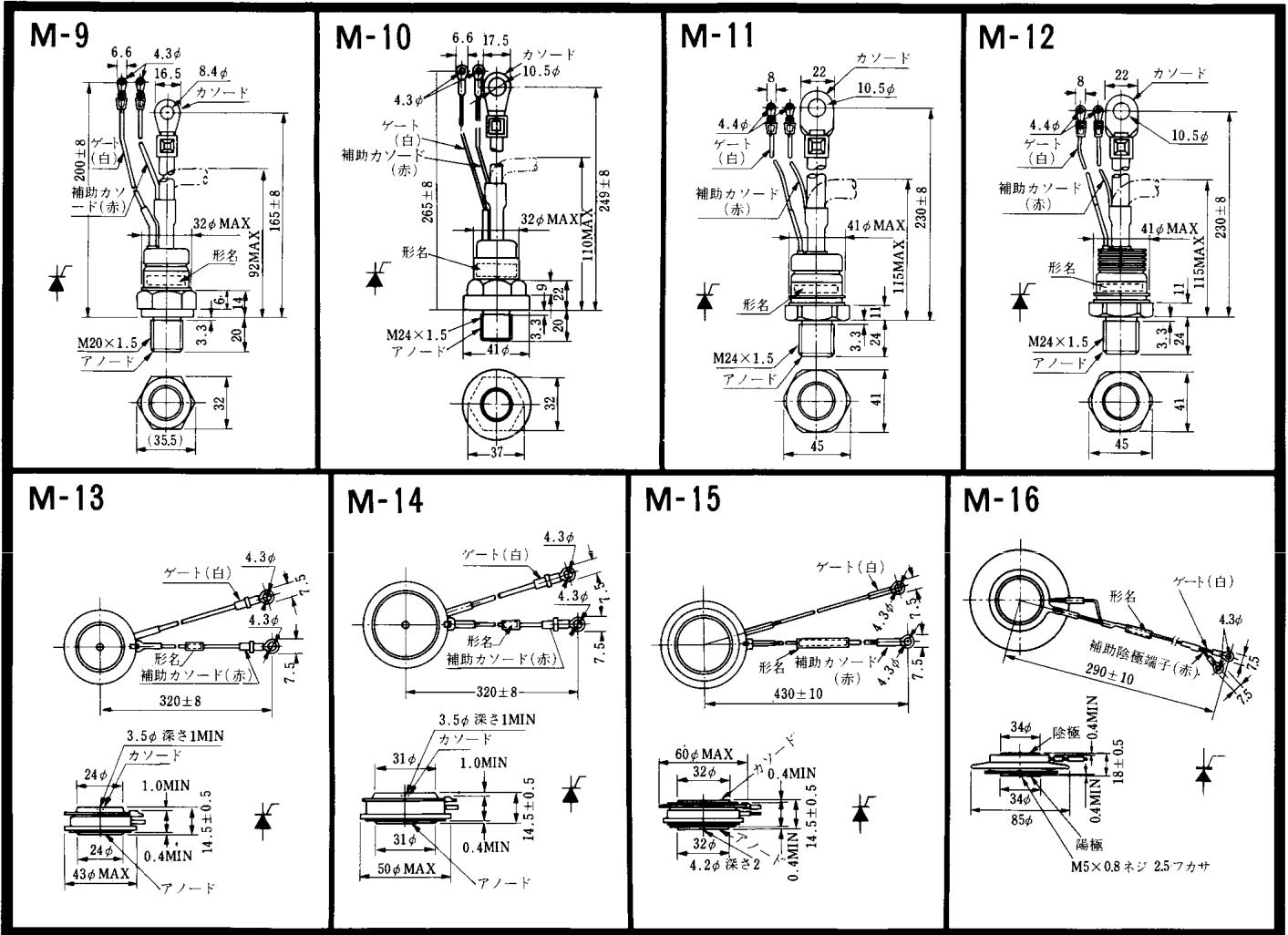
《寸法図単位：mm》

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



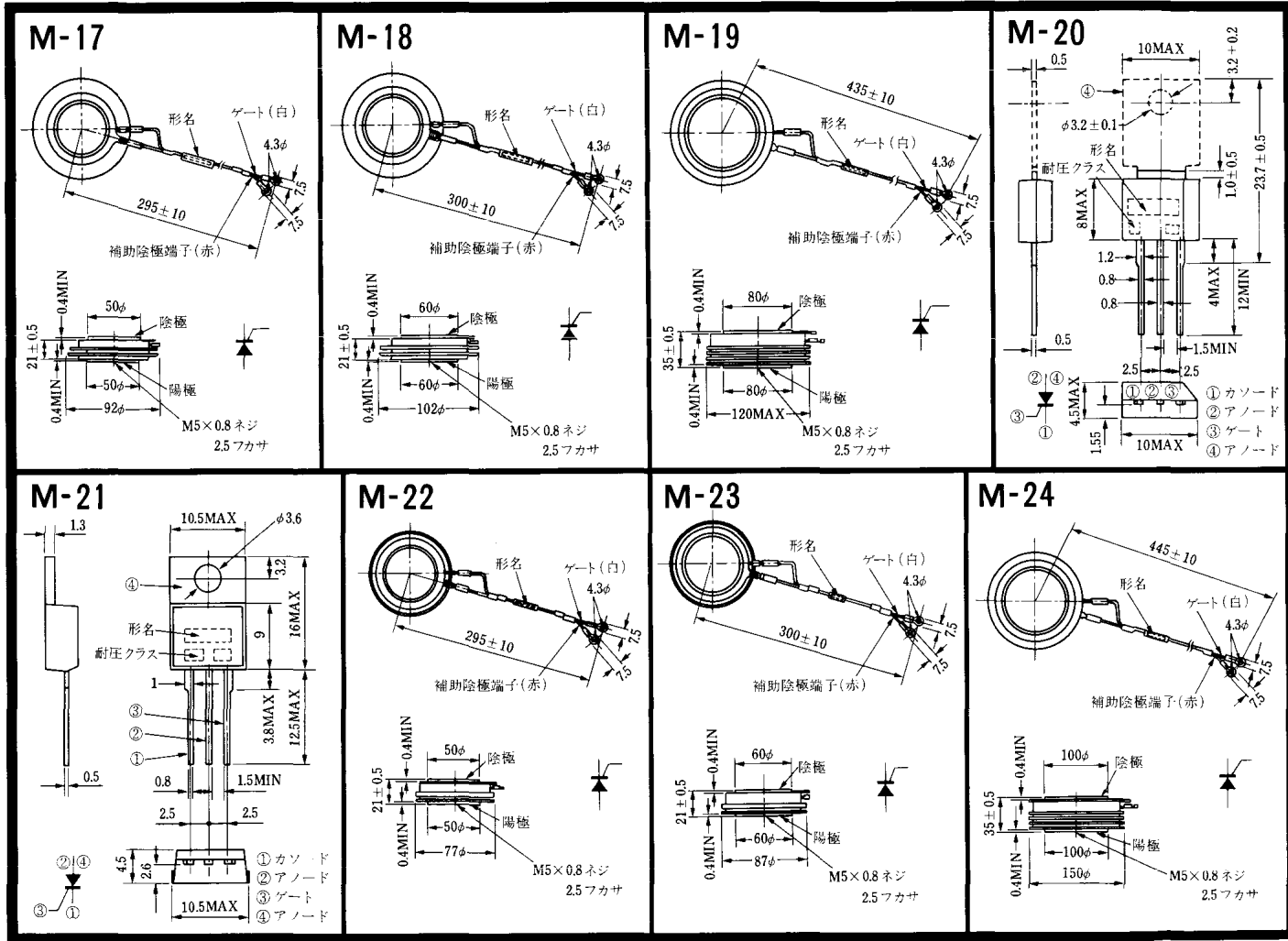
《寸法図単位: mm》

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



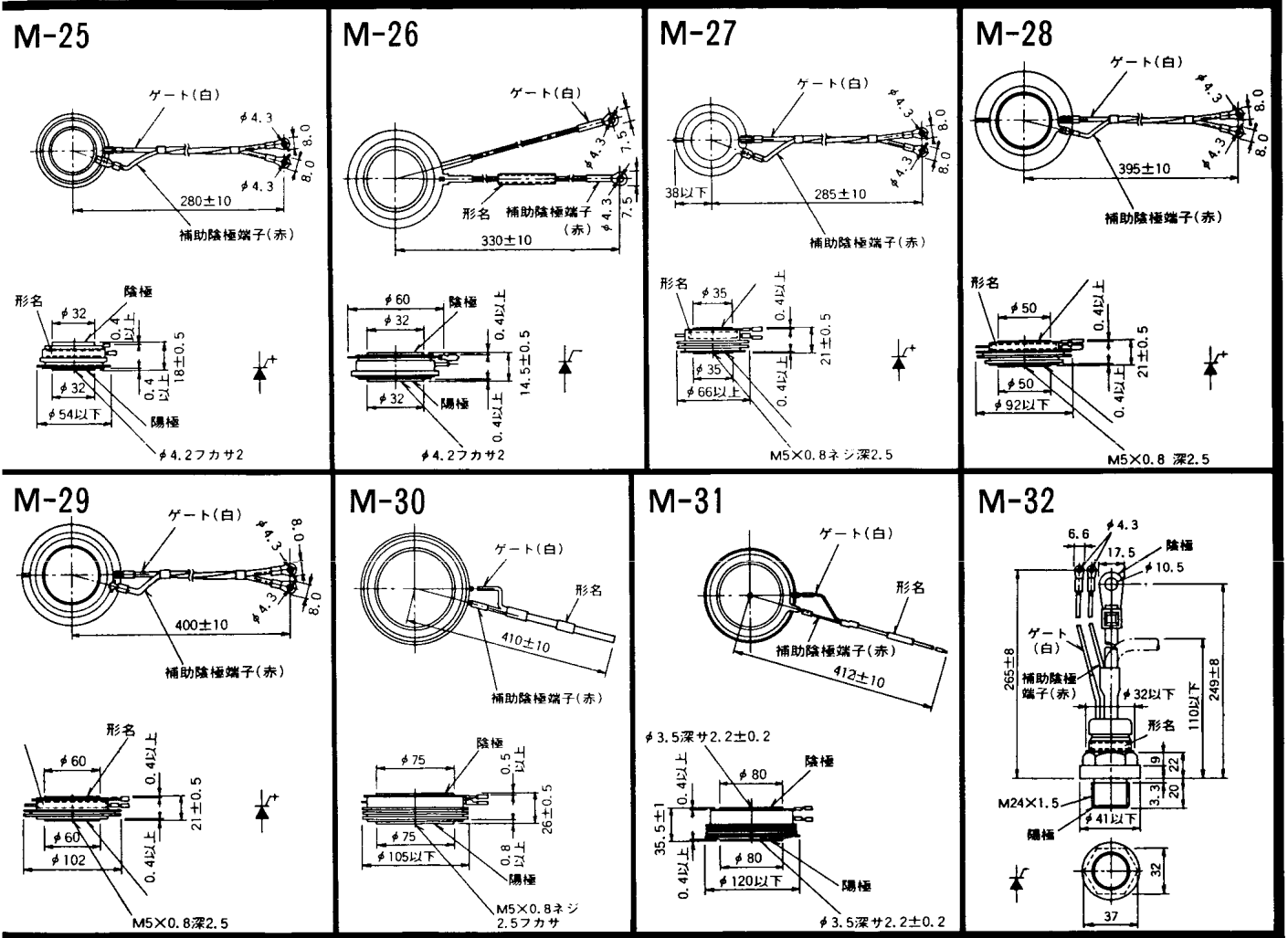
〈寸法図単位：mm〉

<http://store.iicc/>



《寸法図単位：mm》

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

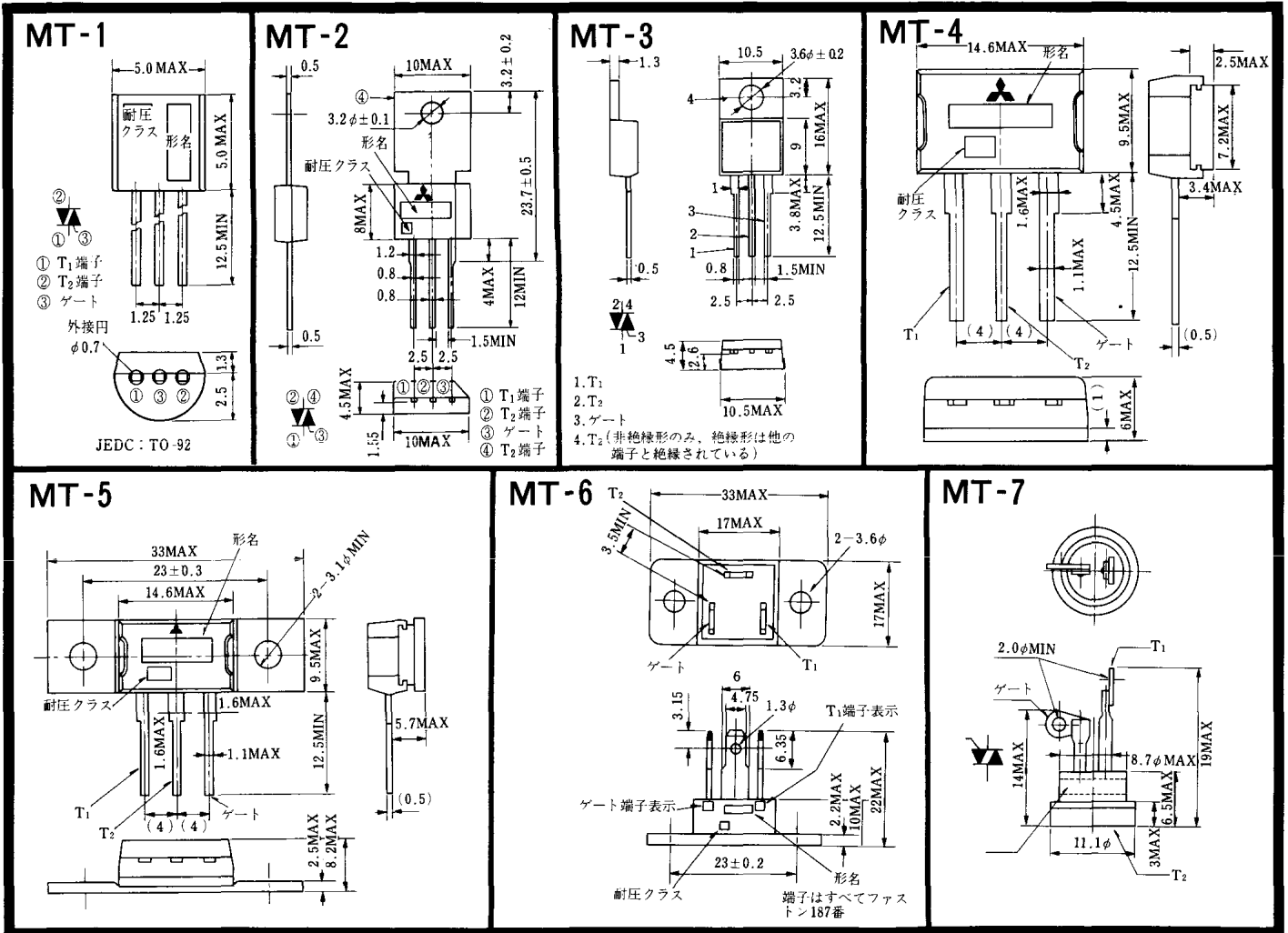


《寸法図単位：mm》

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

<p><b>M-33</b></p>	<p><b>M-34</b></p>		

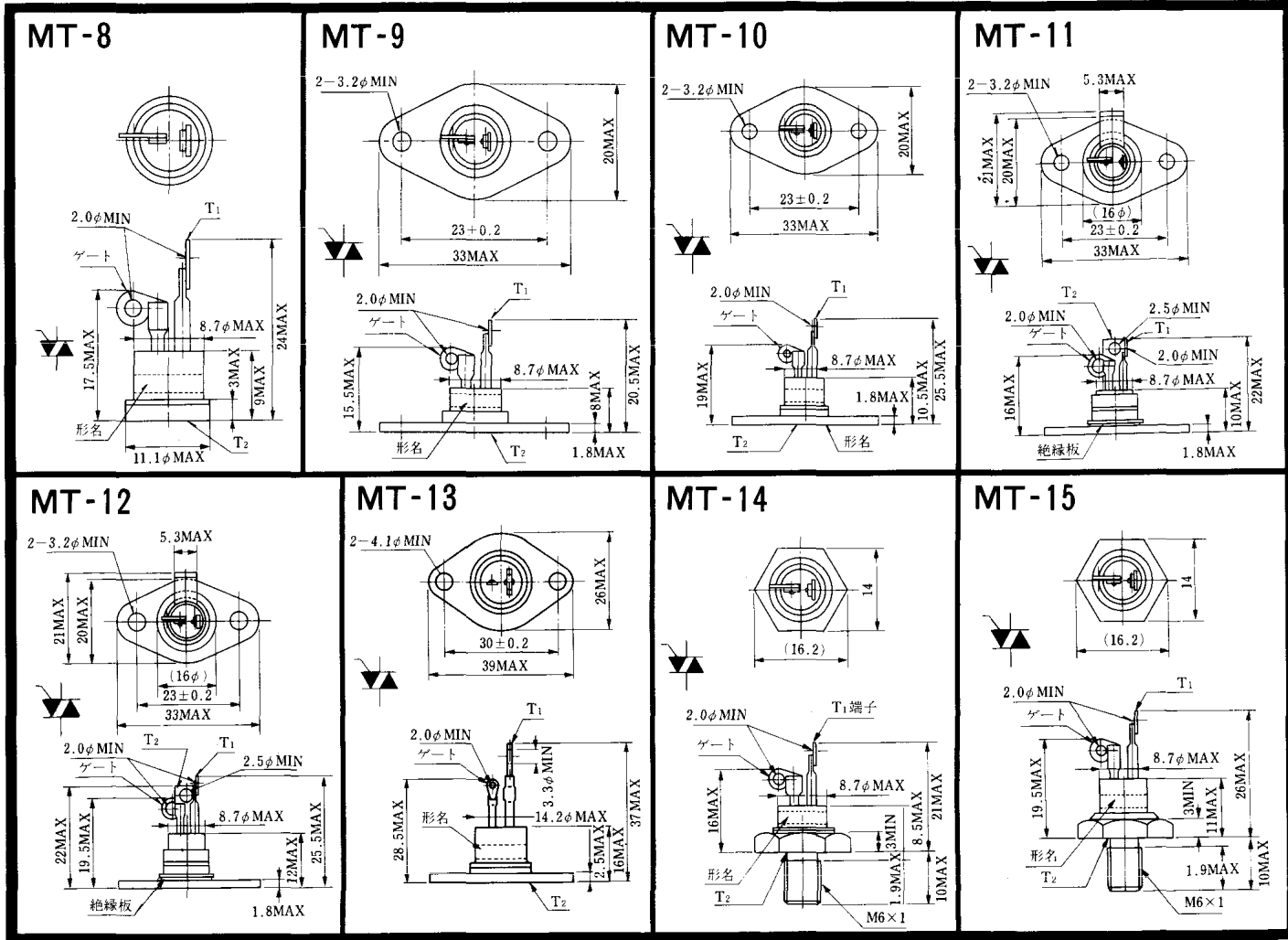
〈寸法図単位:mm〉



《寸法図単位：mm》

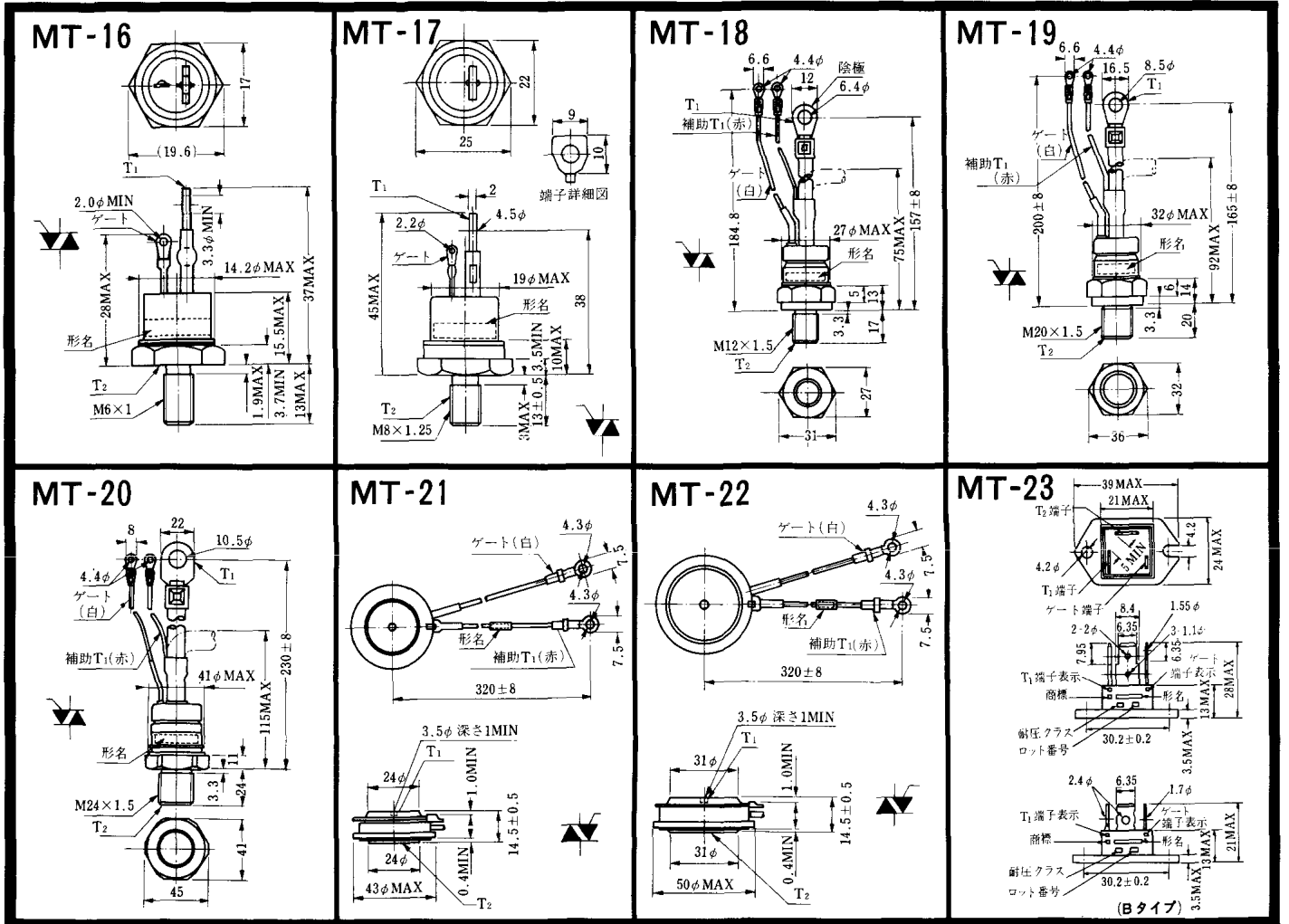
<http://store.iic.cc/>





《寸法図単位：mm》

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



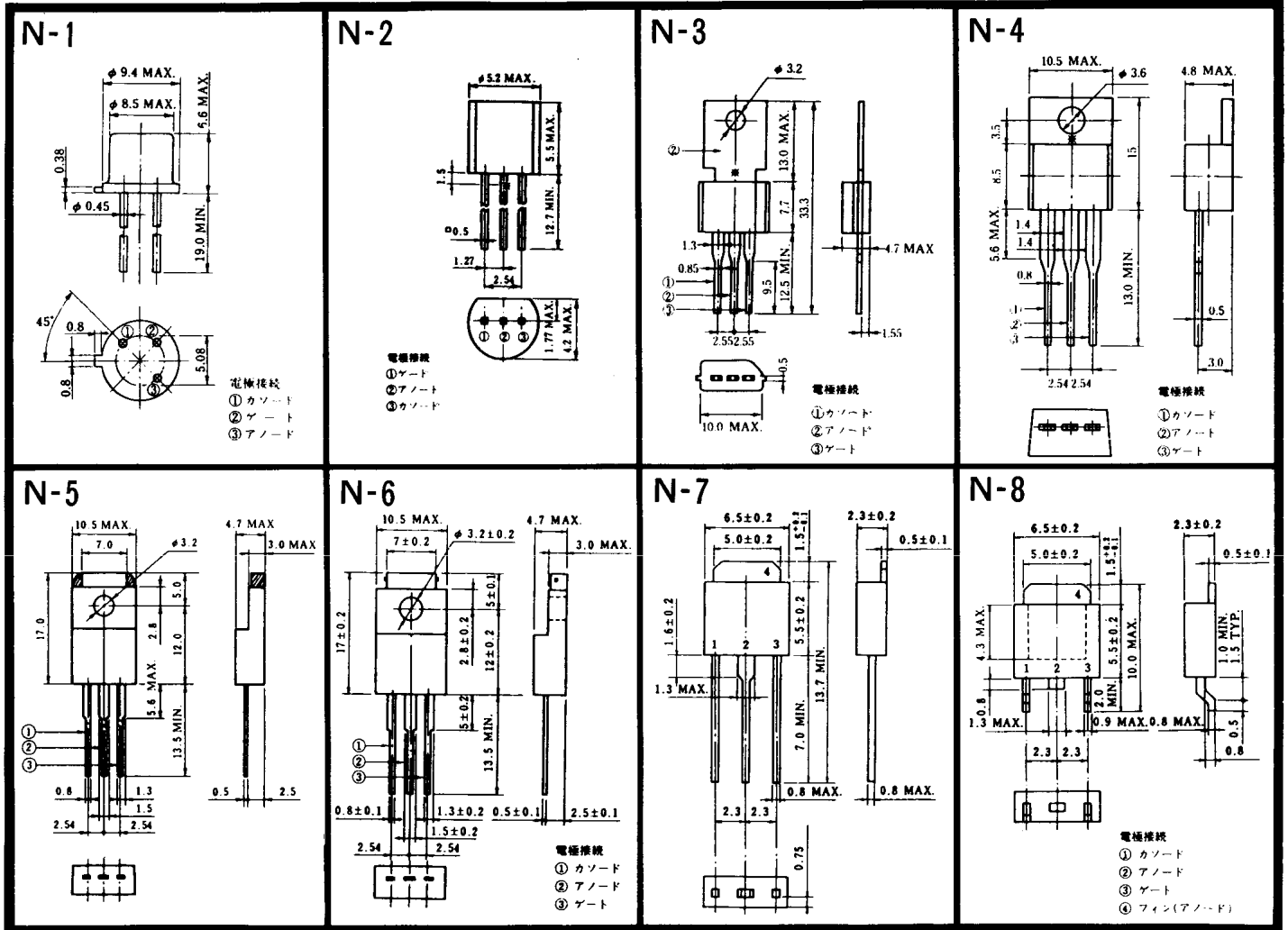
〈寸法図単位：mm〉

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

<p><b>MT-24</b></p> <p>Technical drawing of the MT-24 component. It includes a side view on the left with dimensions 4.5, 1.5, 0.6, and 2.8. A top view in the center shows a width of 15.6, a central hole diameter of <math>\phi 3.2</math>, and a distance of 20.0 from the hole to the right edge. Pin locations are marked with circled numbers 1, 2, 3, and 4. A bottom view shows a width of 5.45 and a distance of 4.0 from the center to the edge. A pinout diagram shows a triangle with pins 1, 2, and 3. The text 'TO - 3P' is located below the diagram.</p> <p>① T1 端子          ② T2 端子          ③ ゲート端子          ④ T2 端子</p> <p>TO - 3P</p>			

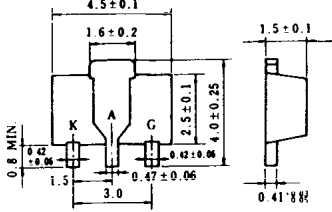
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<http://store.iic.cc/>



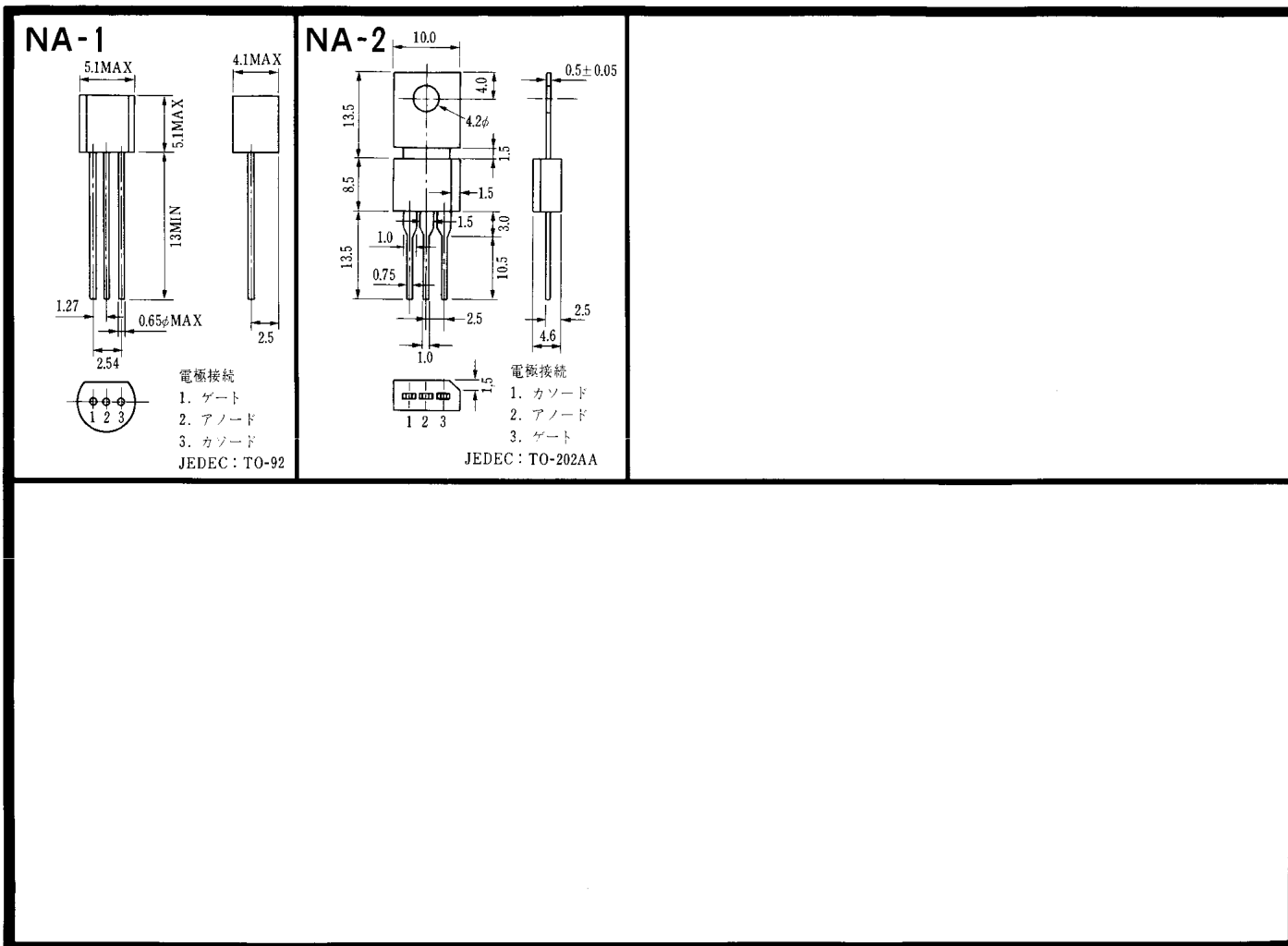
〈寸法図単位:mm〉

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

<p><b>N-9</b></p>  <p>電極接続 K:カソード A:アノード G:ゲート</p>			

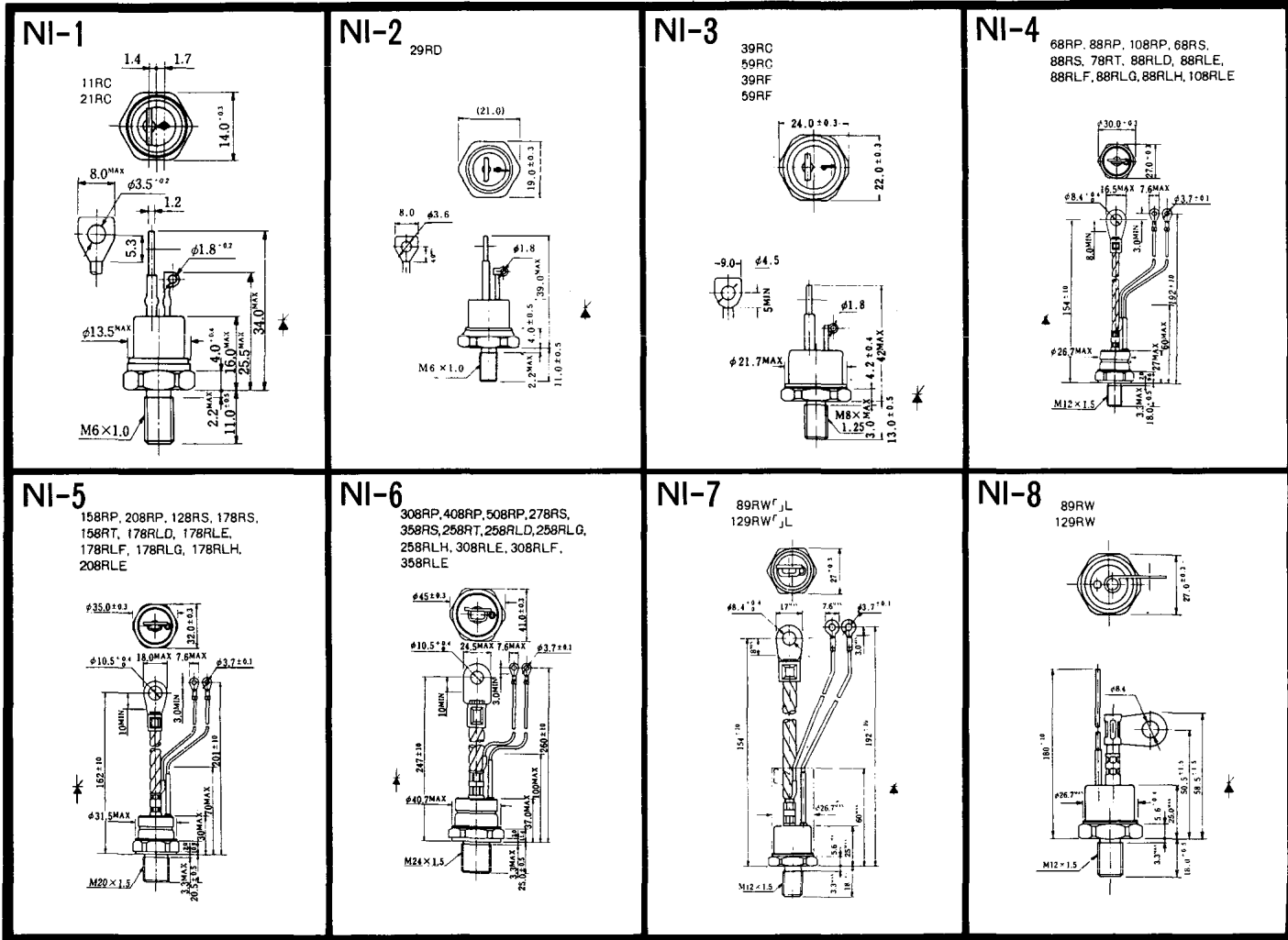
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<http://store.iiic.cc/>



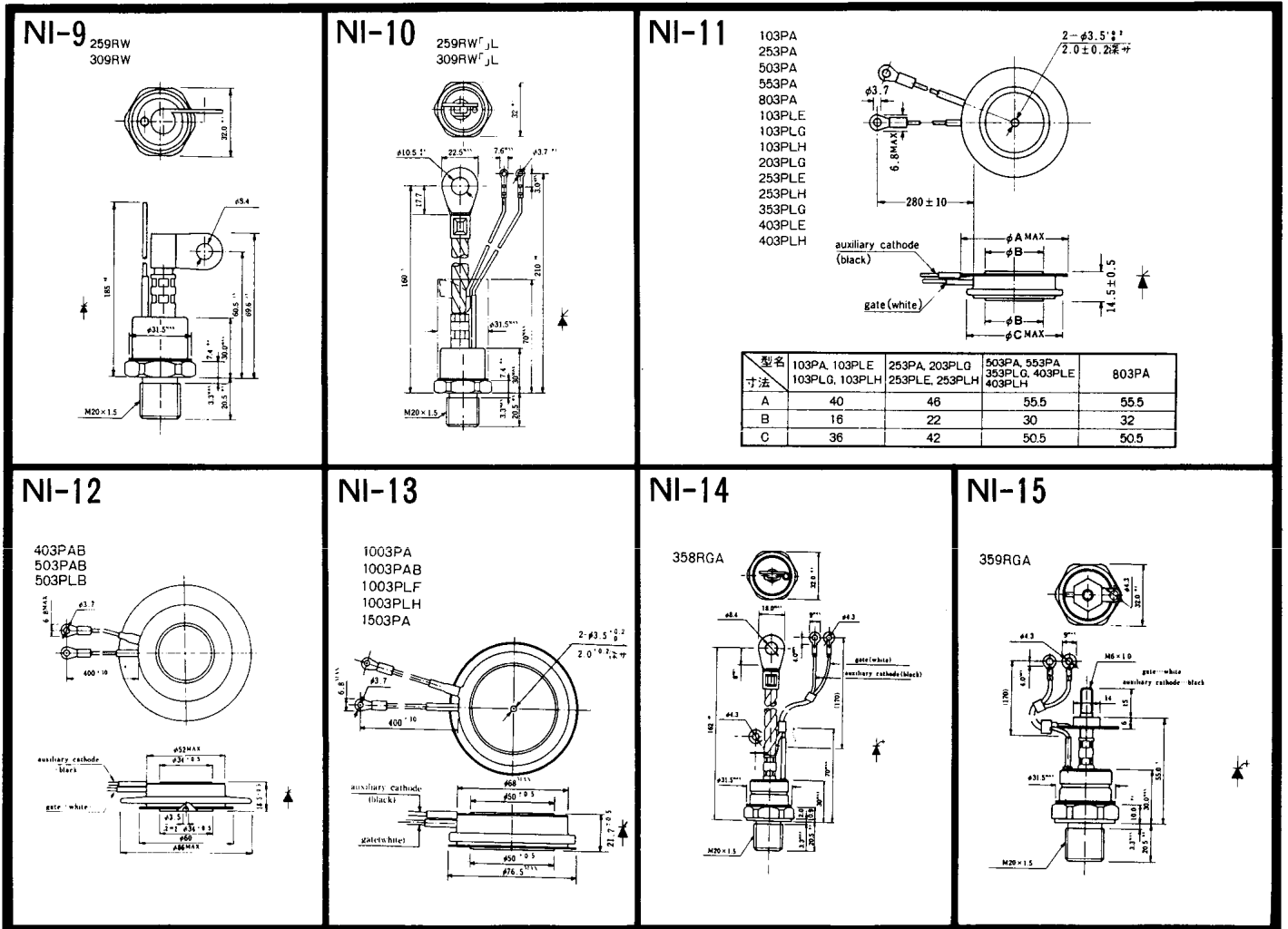
《寸法図単位：mm》

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



〈寸法図単位:mm〉

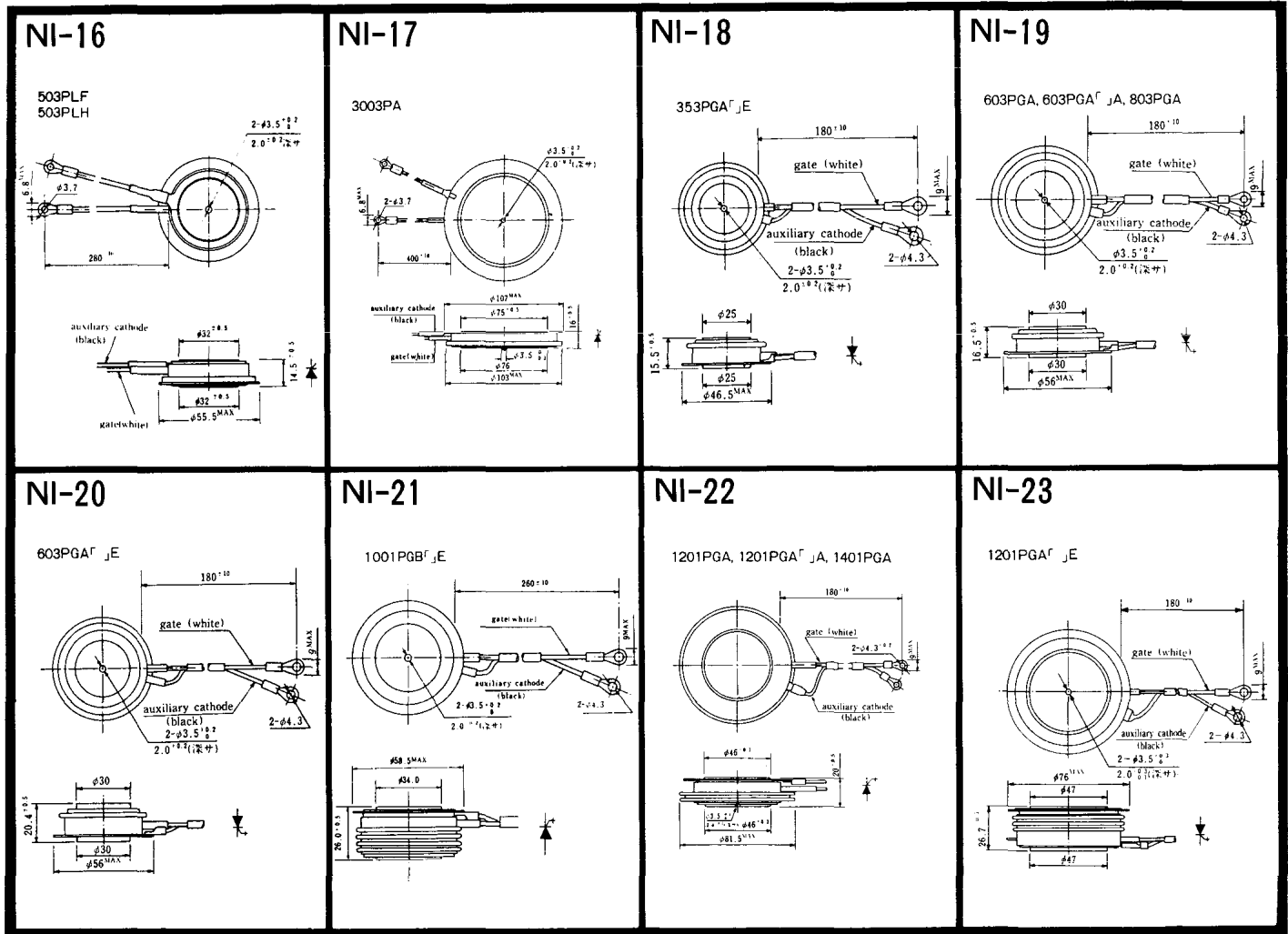
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《寸法図単位:mm》

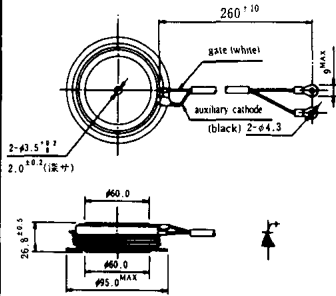
<http://store.iicc.cc/>





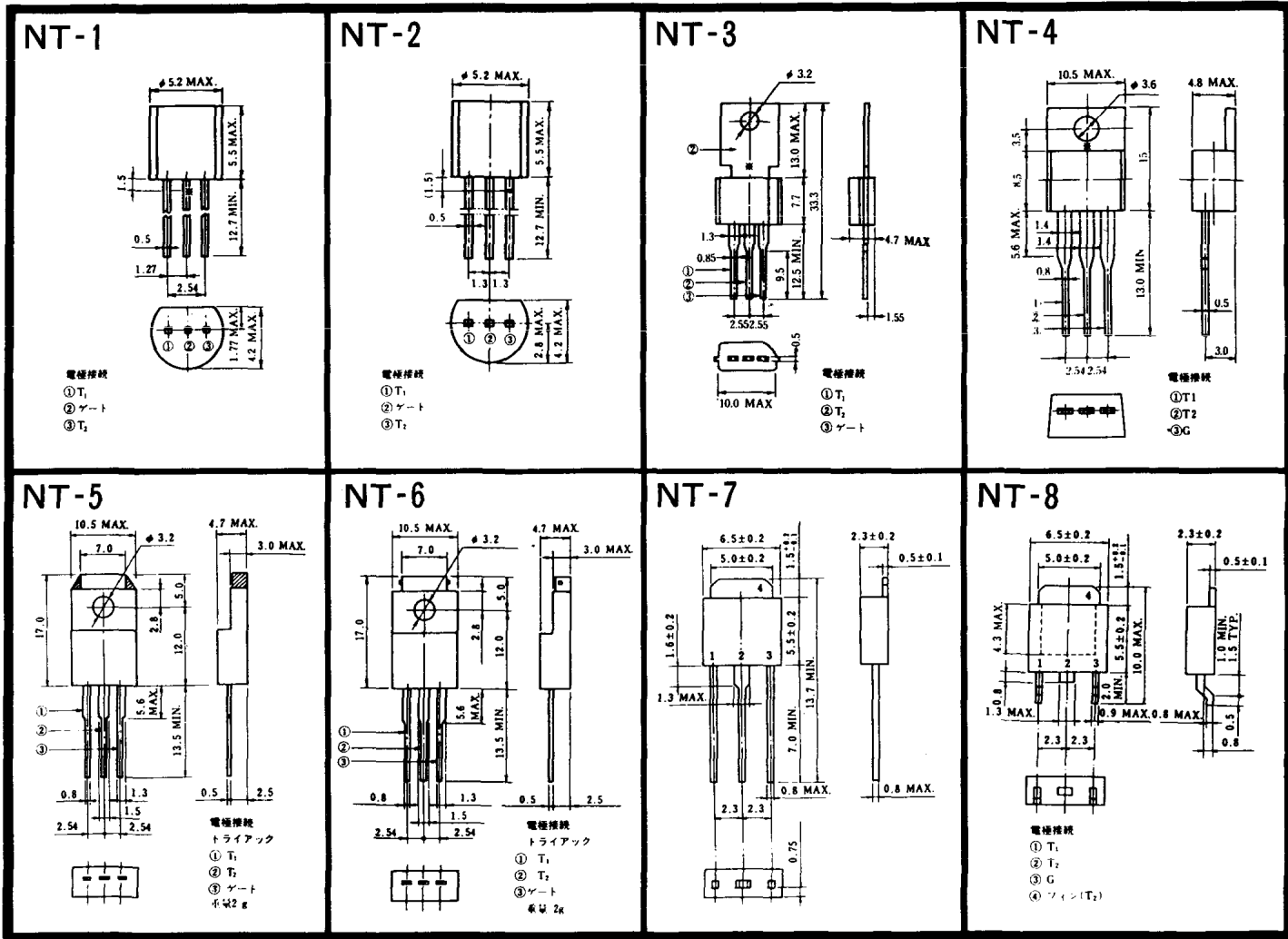
《寸法図単位:mm》

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

NI-24	NI-25	NI-26	
<p>2001PGBF JE</p>  <p>Technical drawing of component NI-24. The top view shows a circular component with a diameter of <math>260^{+10}</math> mm. It features a "gate (white)" and an "auxiliary cathode (black) 2-<math>\phi 4.3</math>". There are also two holes labeled "2-<math>\phi 3.5^{+0.1}</math>" with a depth of "2.0<math>^{+0.2}</math> (深中)". The side view shows a component with a diameter of <math>\phi 60.0</math> mm and a length of <math>26.0^{+0.5}</math> mm. A maximum diameter of <math>\phi 95.0</math> MAX is also indicated.</p>			

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

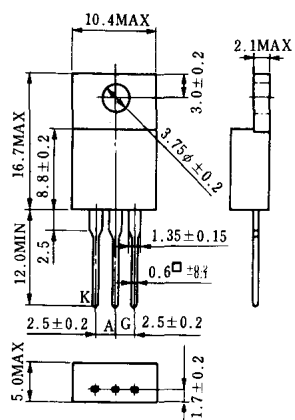
《寸法图单位:mm》



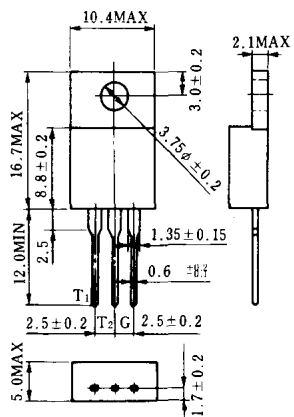
<http://store.iicc.cc/>

〈寸法図単位:mm〉

### S-1

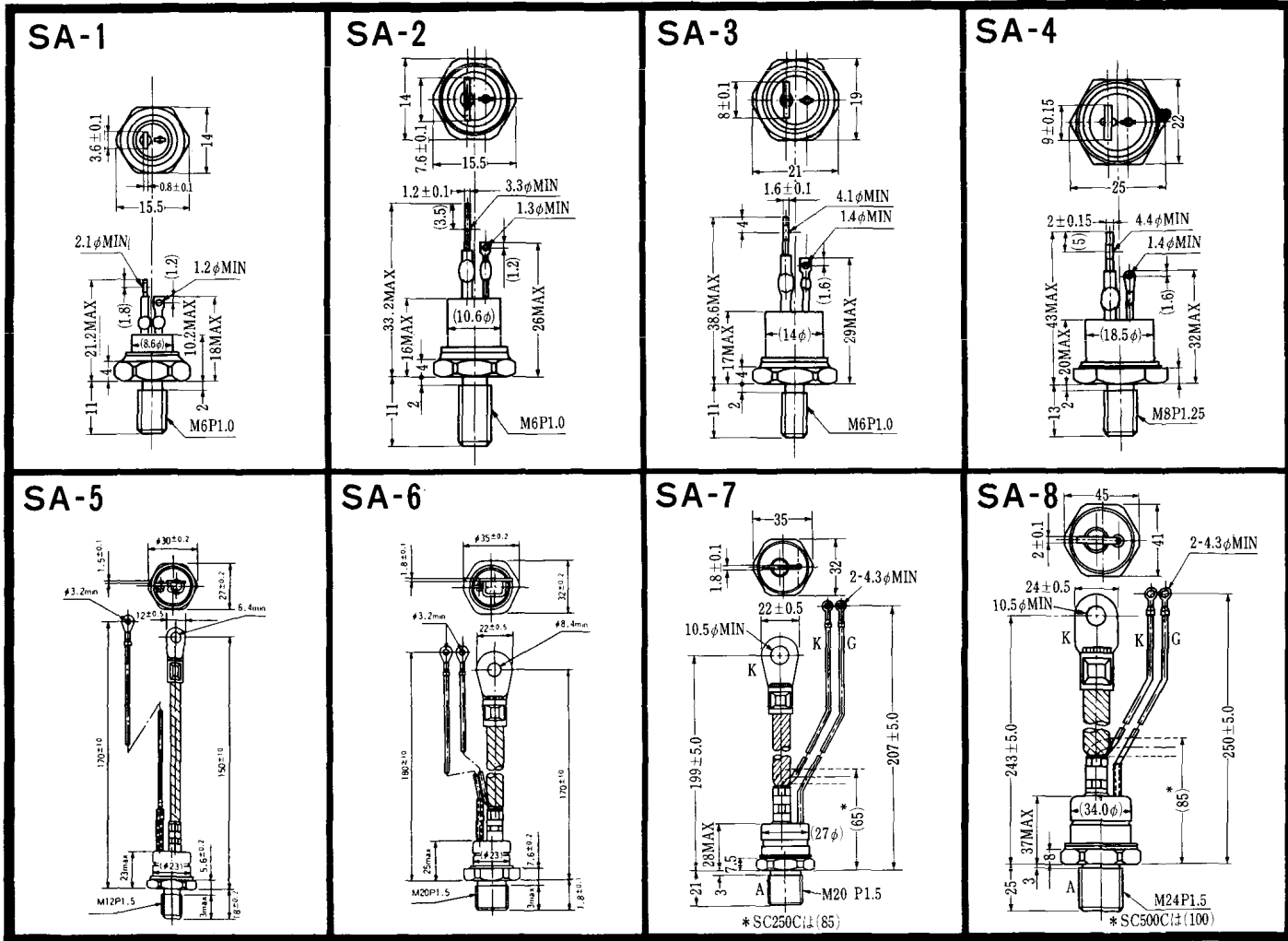


### ST-1



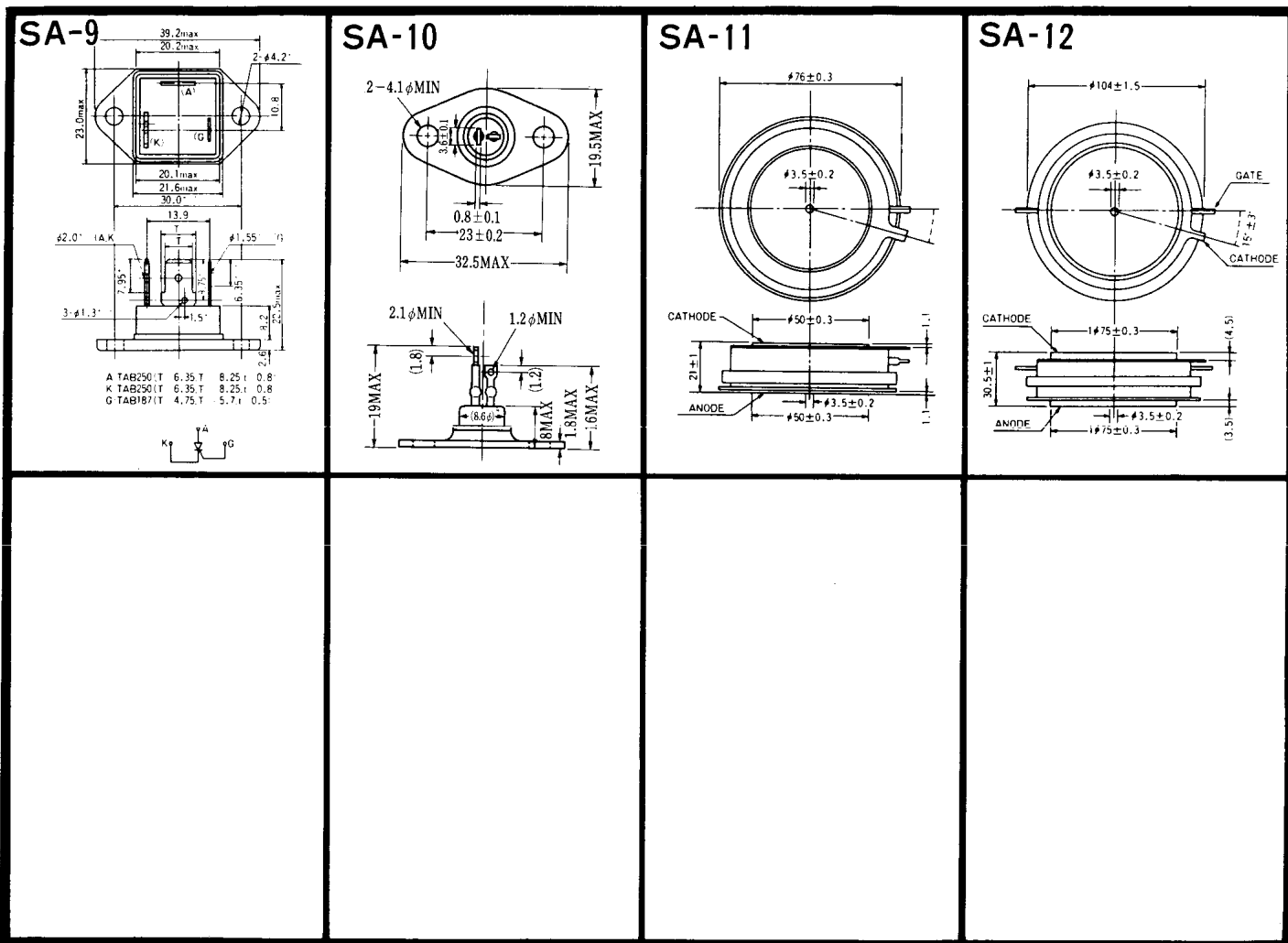
《寸法図単位：mm》

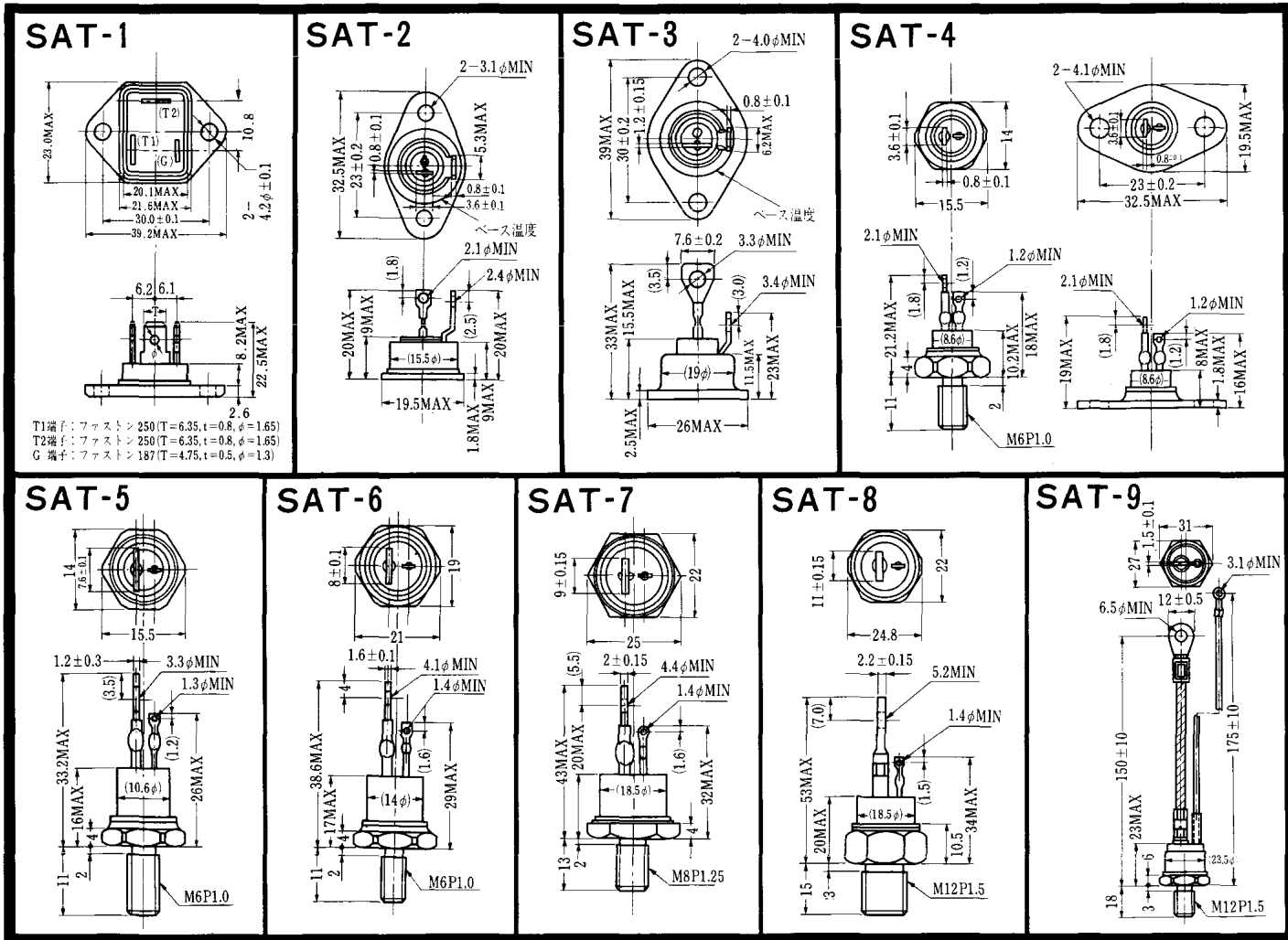
<http://store.iic.cc/>



〈寸法図単位:mm〉

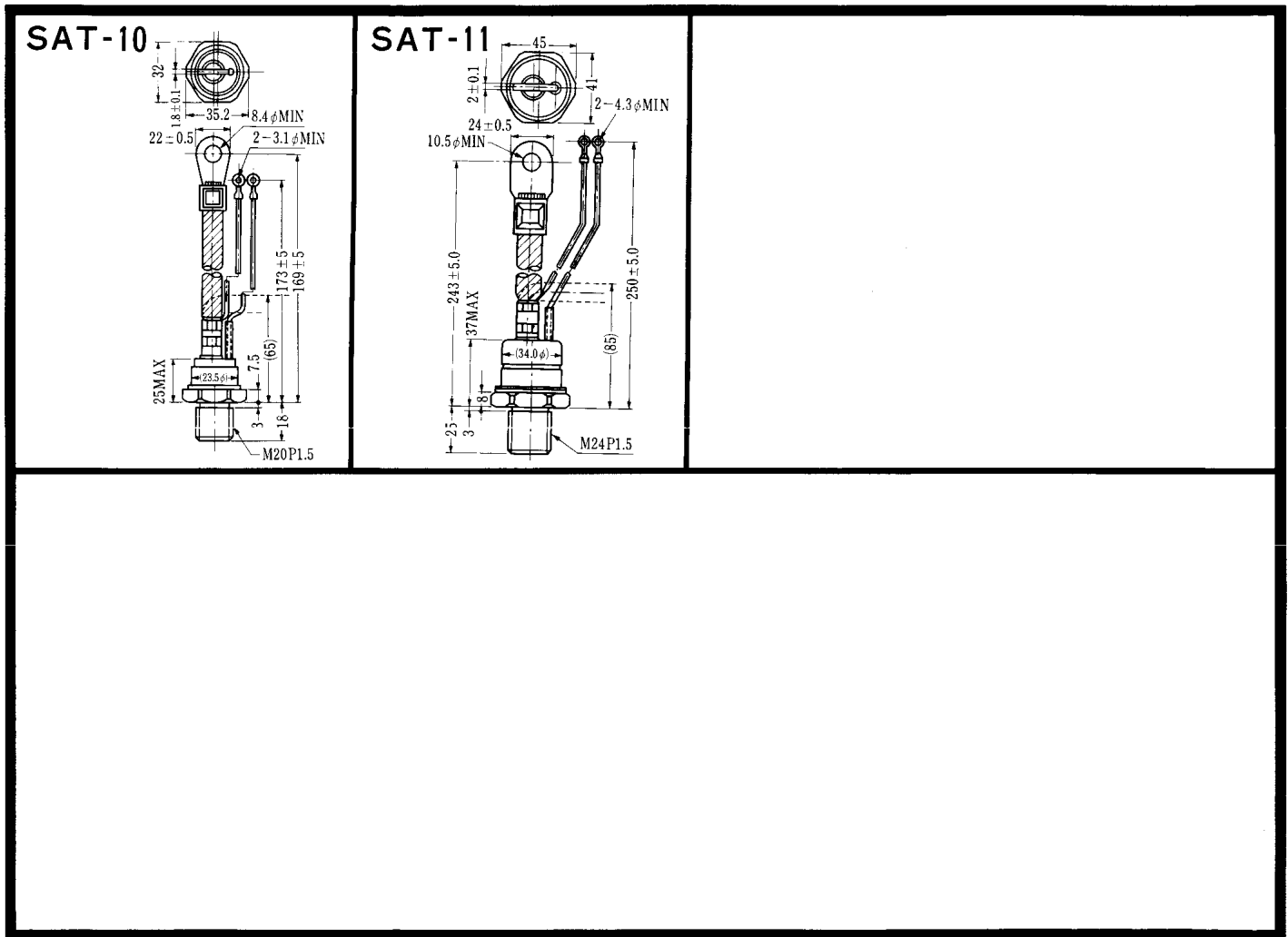
<http://store.iic.cc/>





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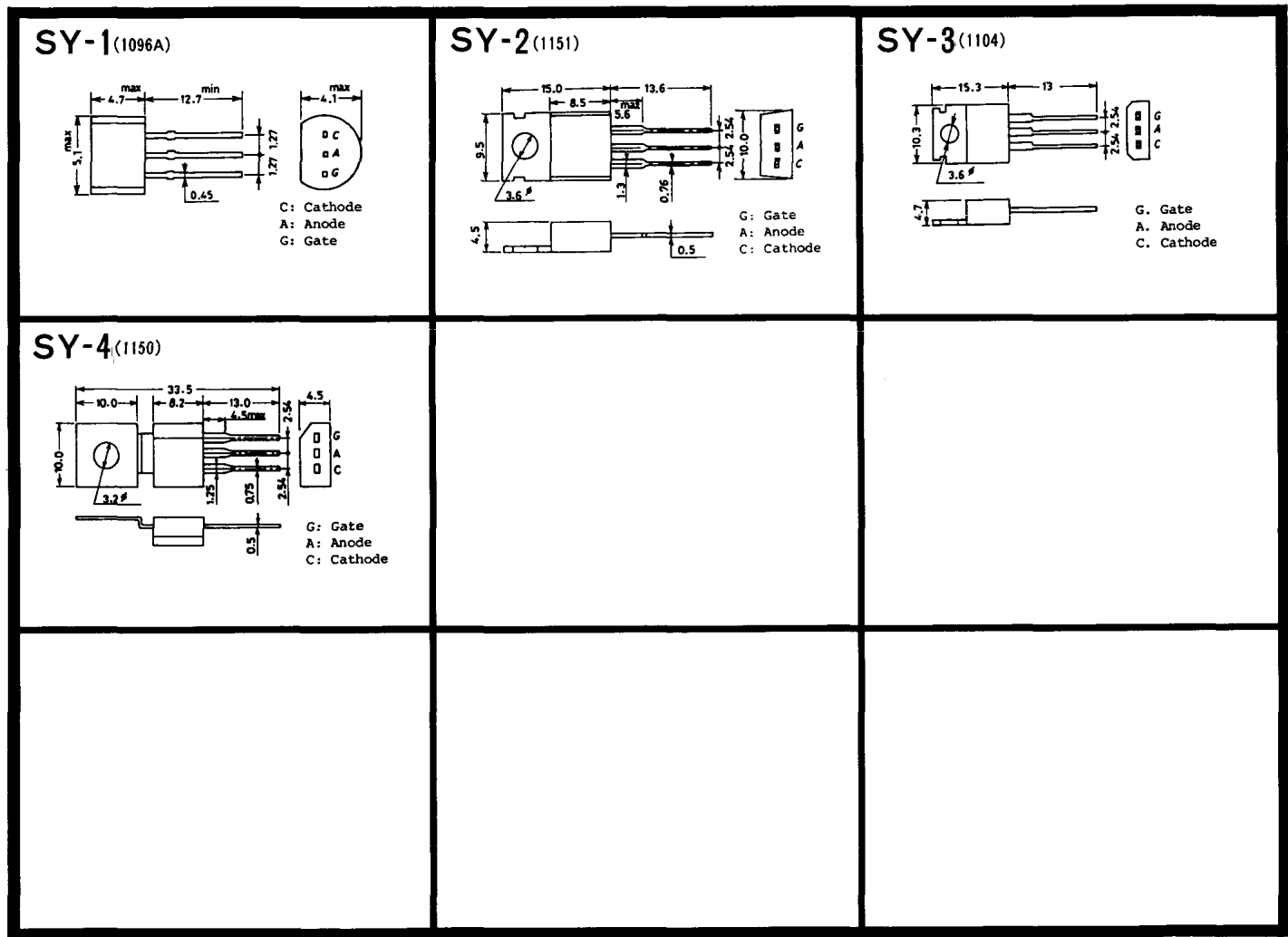
《寸法図単位: mm》

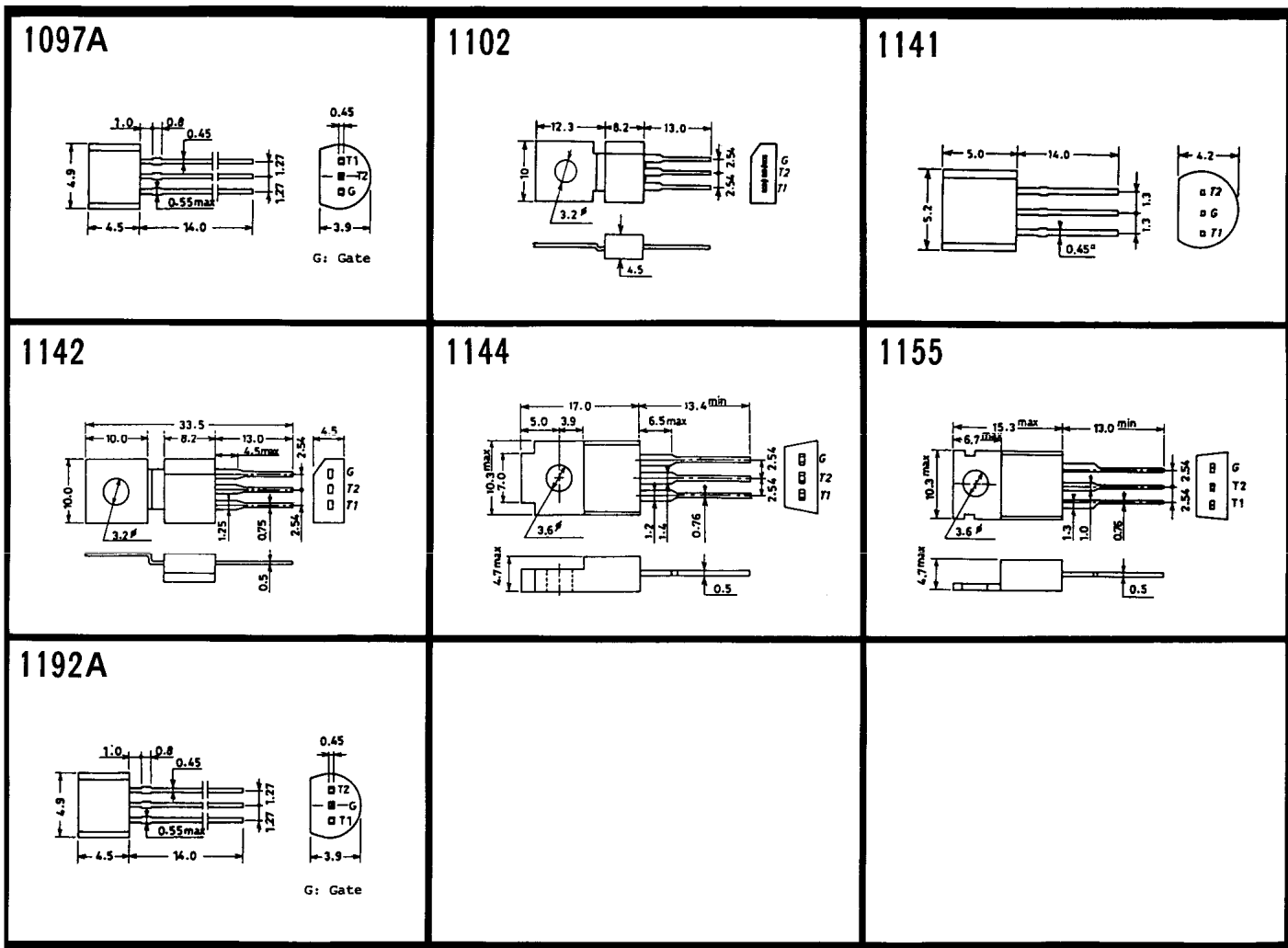


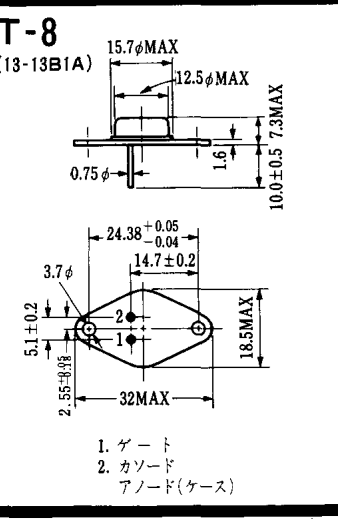
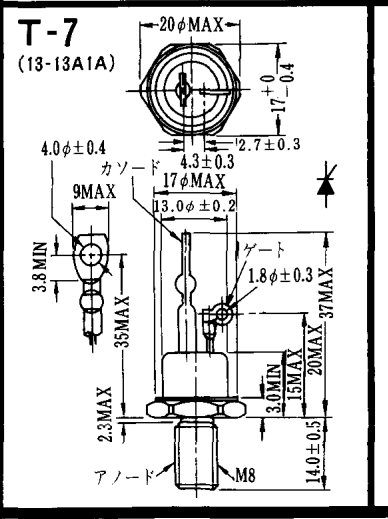
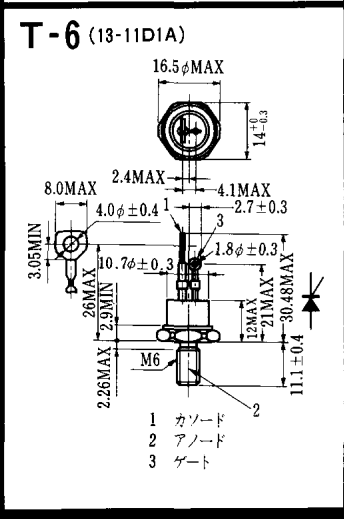
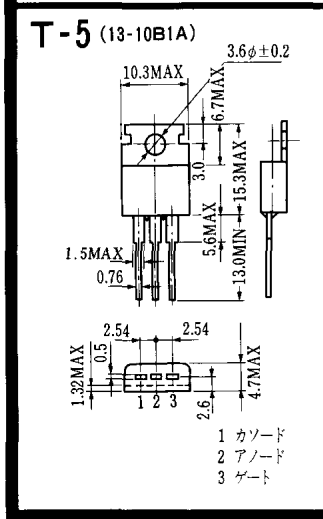
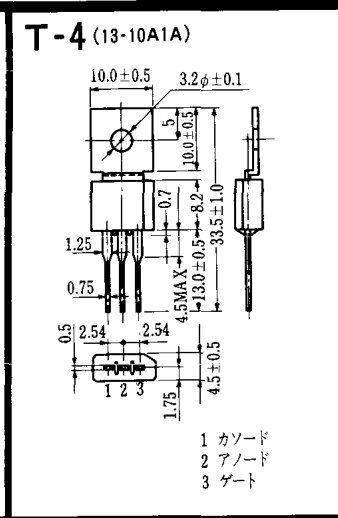
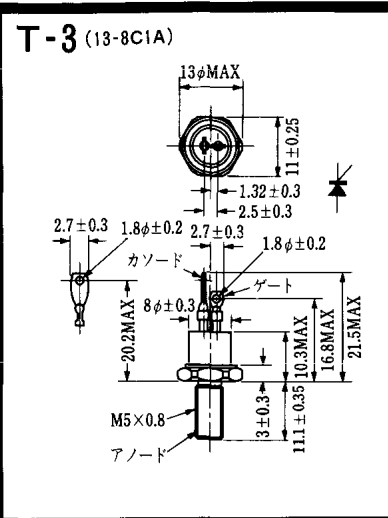
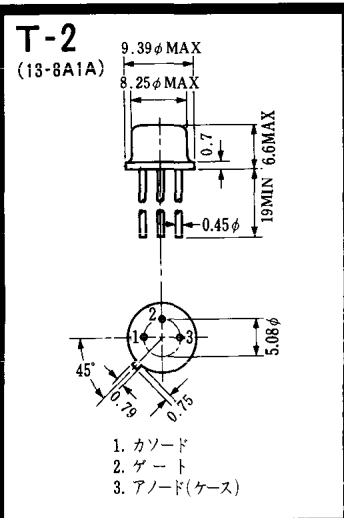
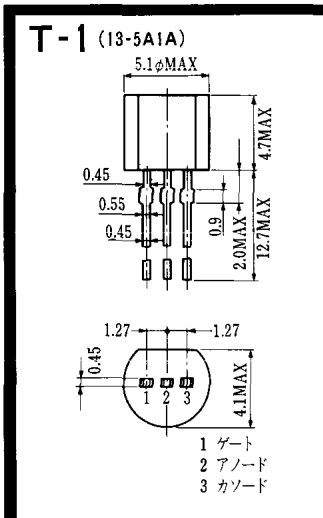
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《寸法図單位：mm》



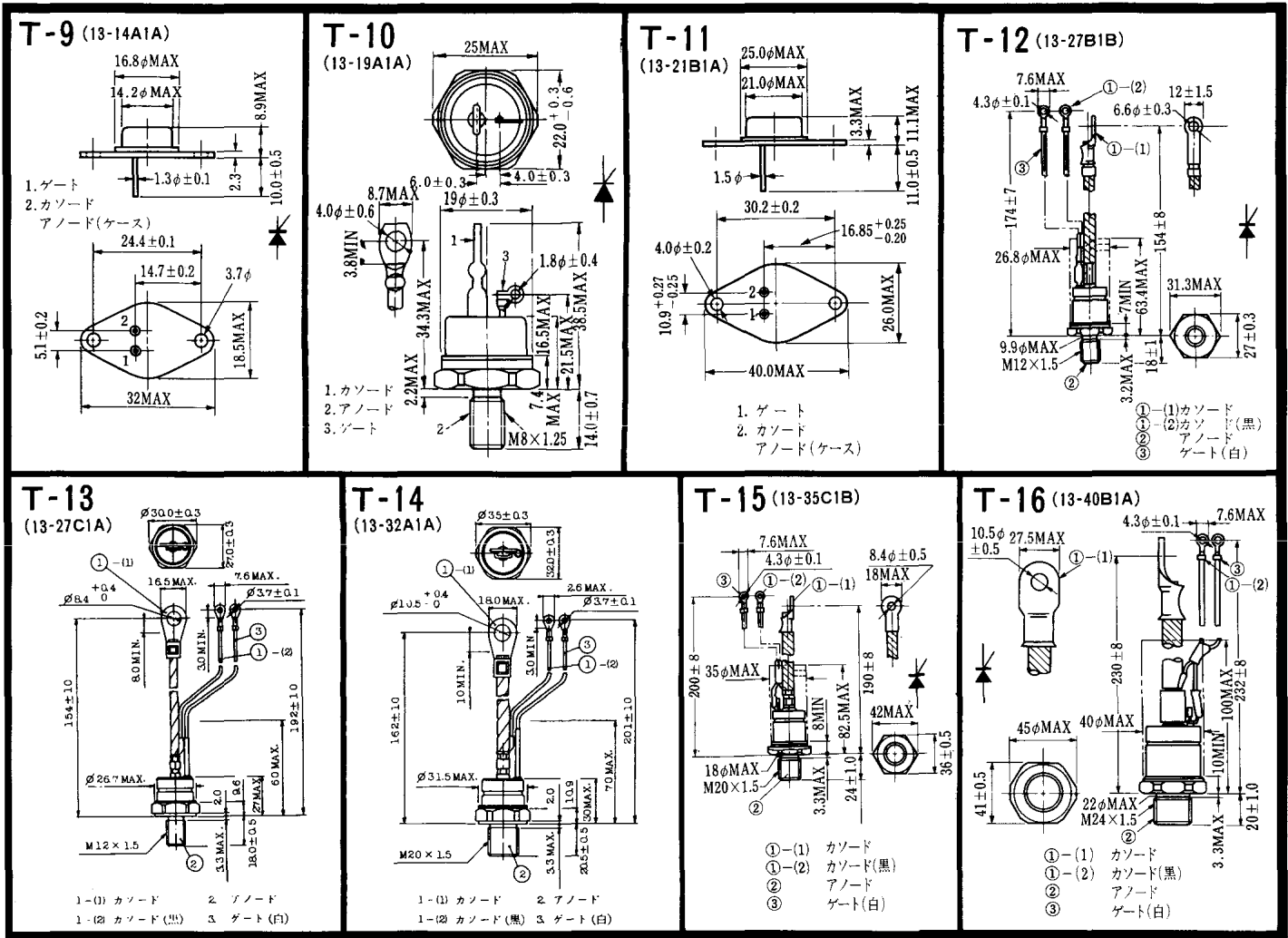






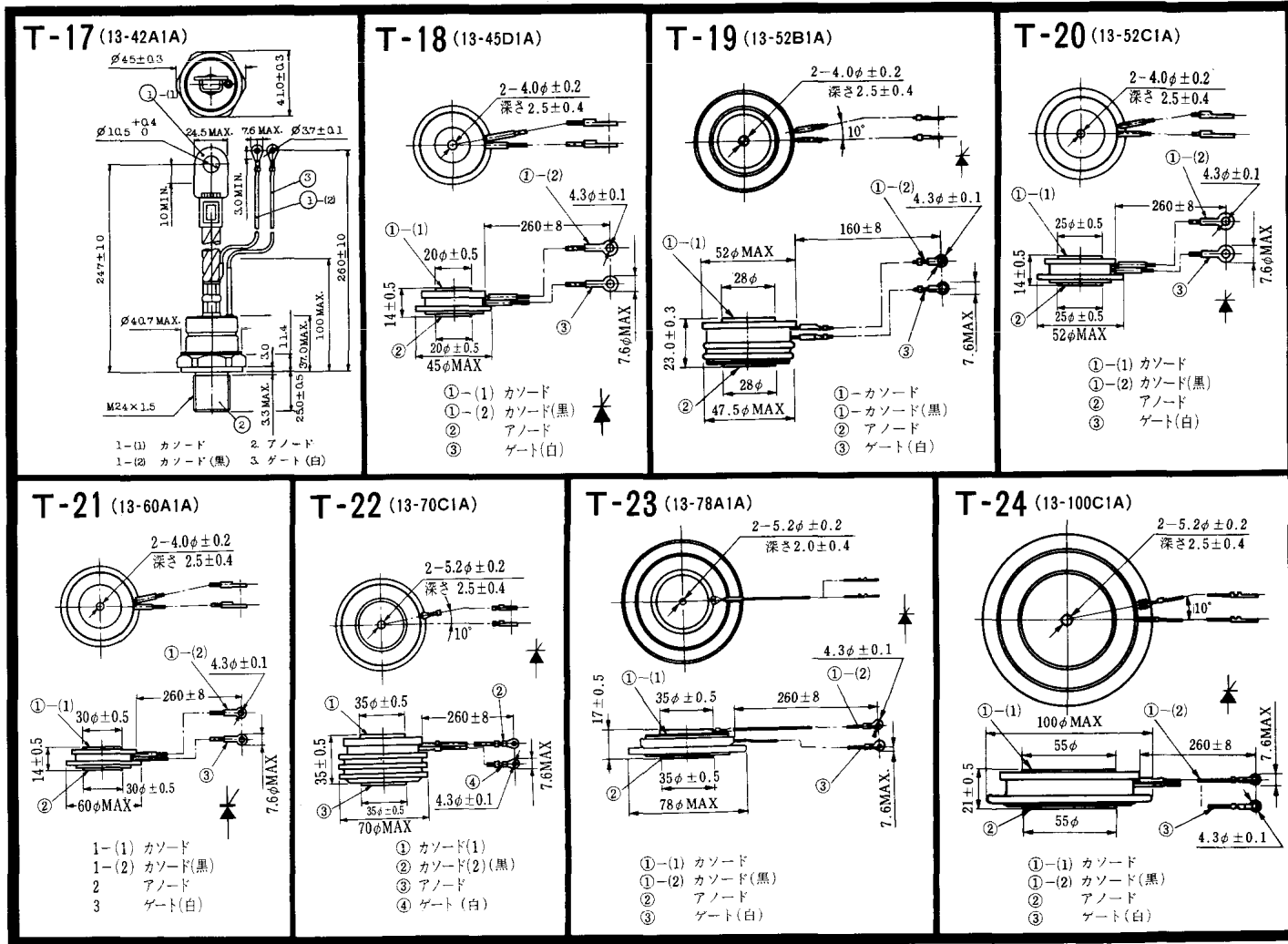
<http://store.iic.cc/>

◀寸法図単位：mm



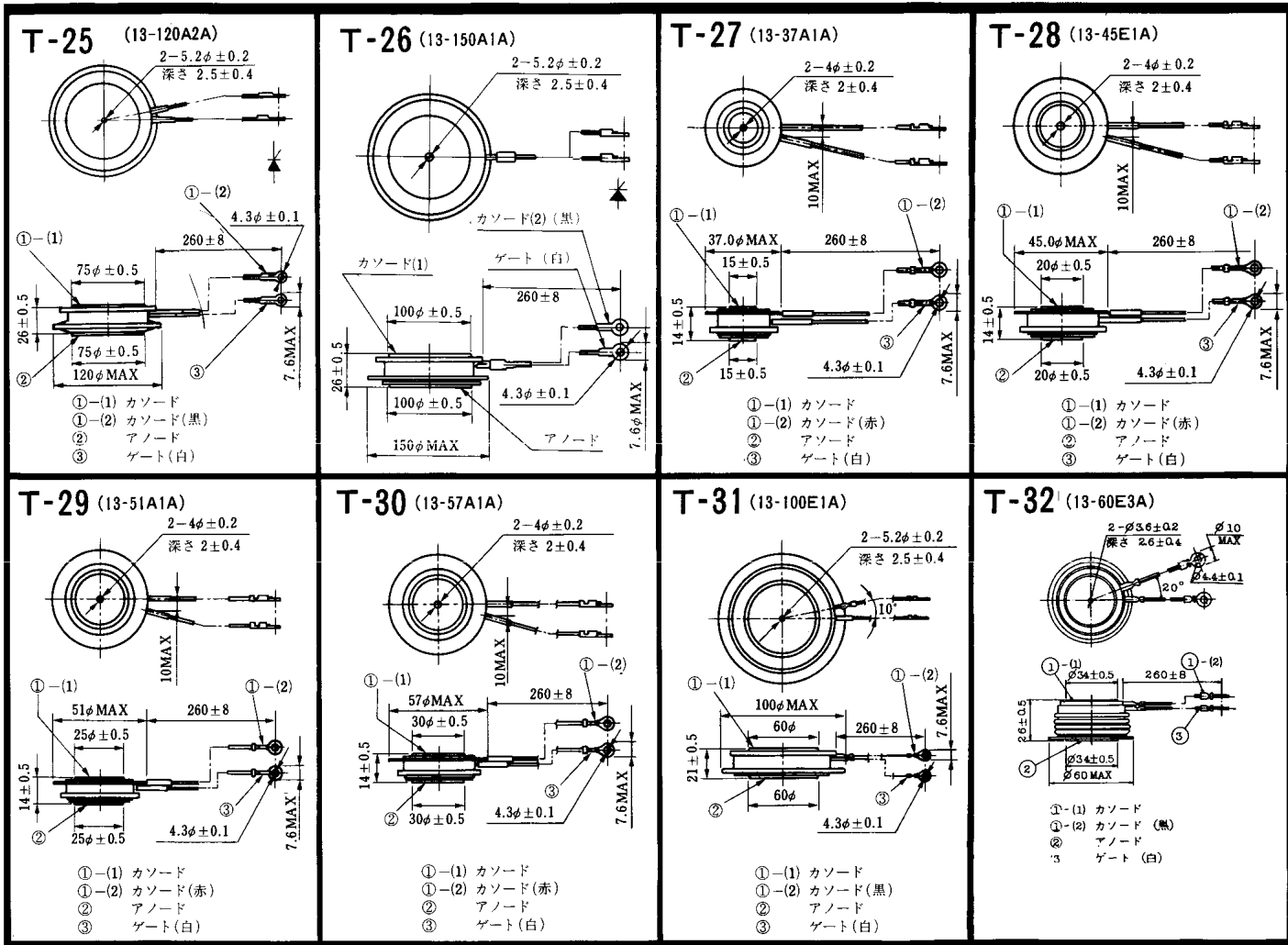
《寸法図単位：mm》

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



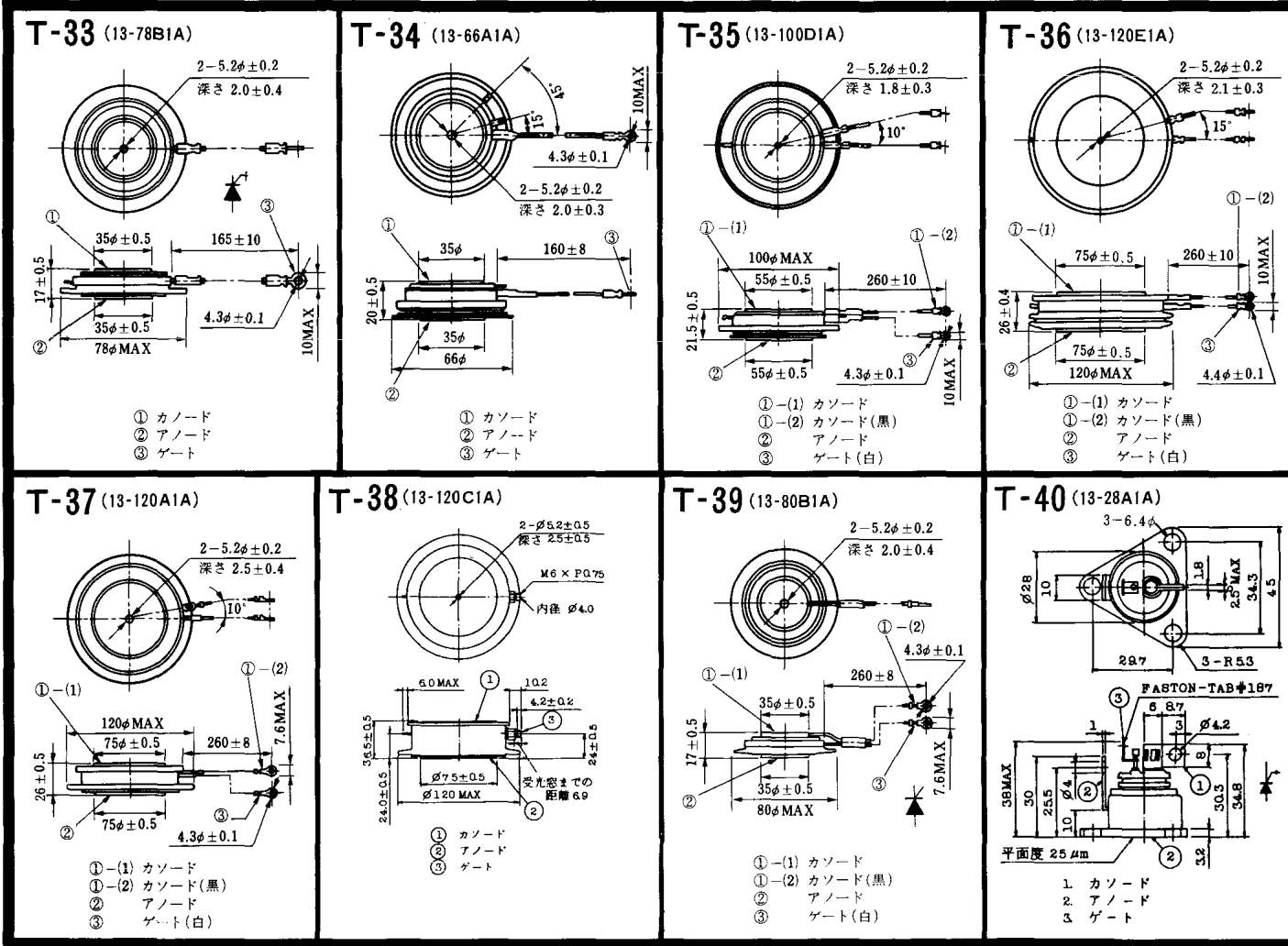
〈寸法図単位：mm〉

<http://store.iicc/>



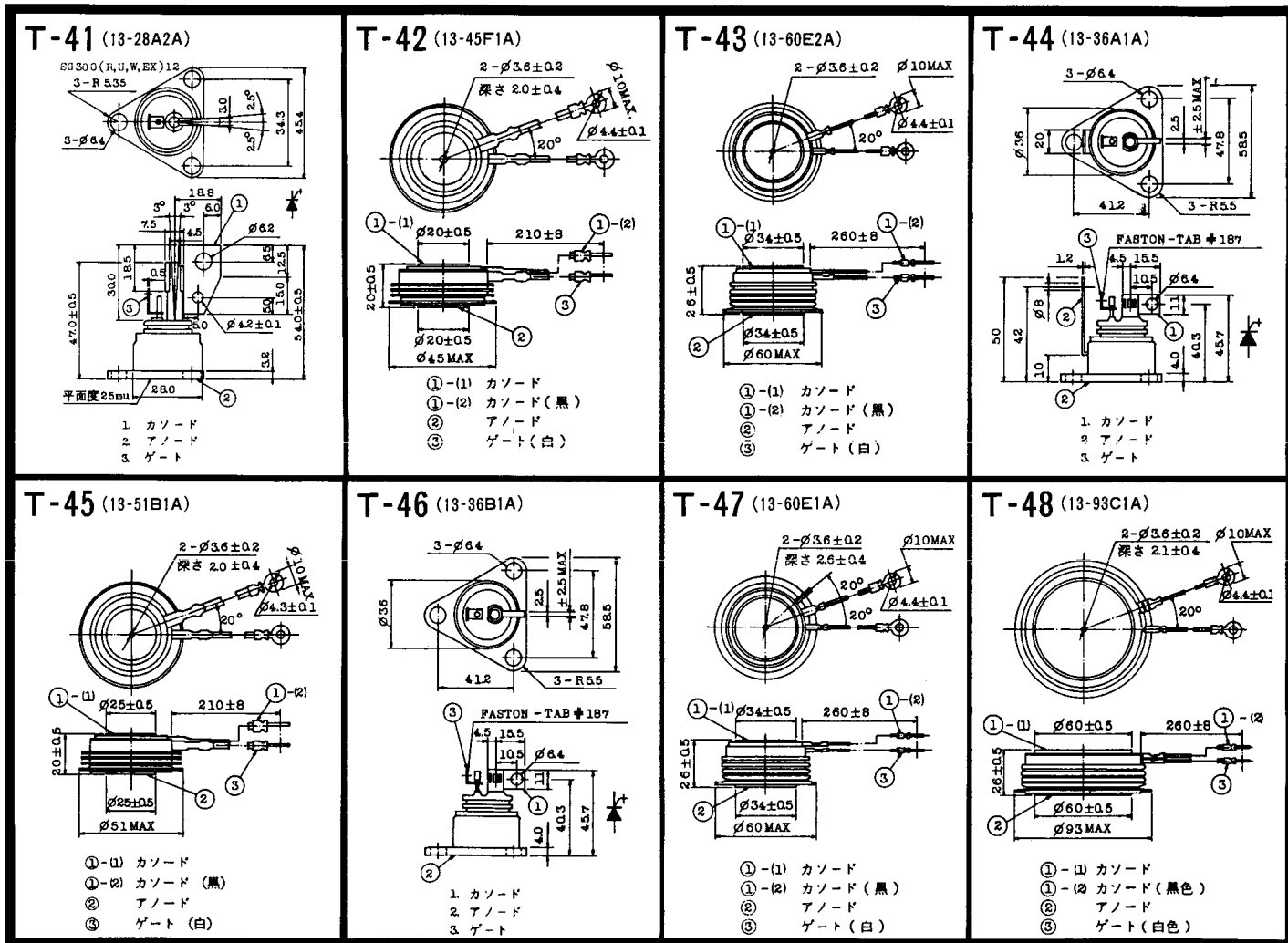
《寸法図単位：mm》

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



《寸法図単位：mm

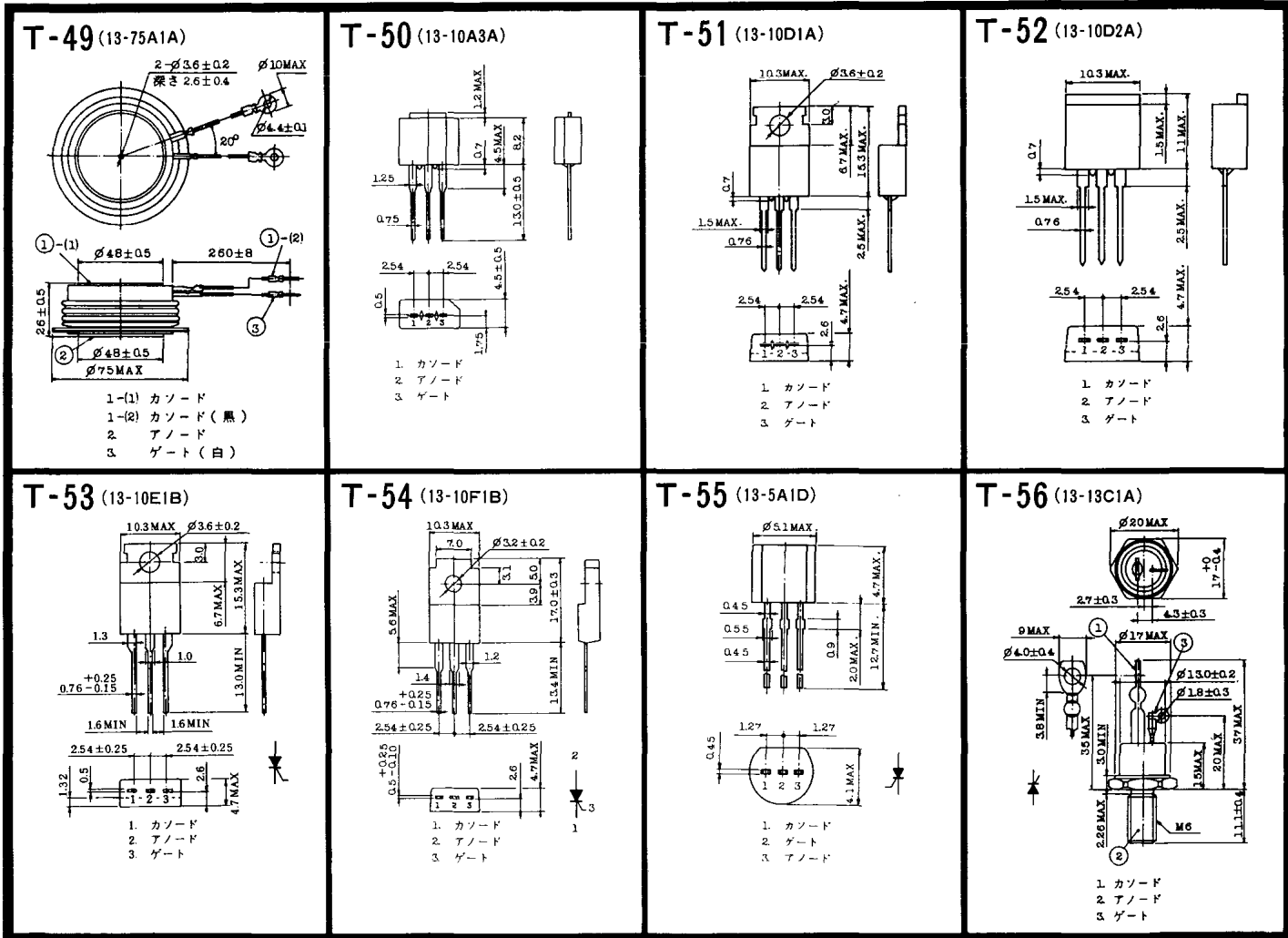
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〔寸法図単位：mm〕

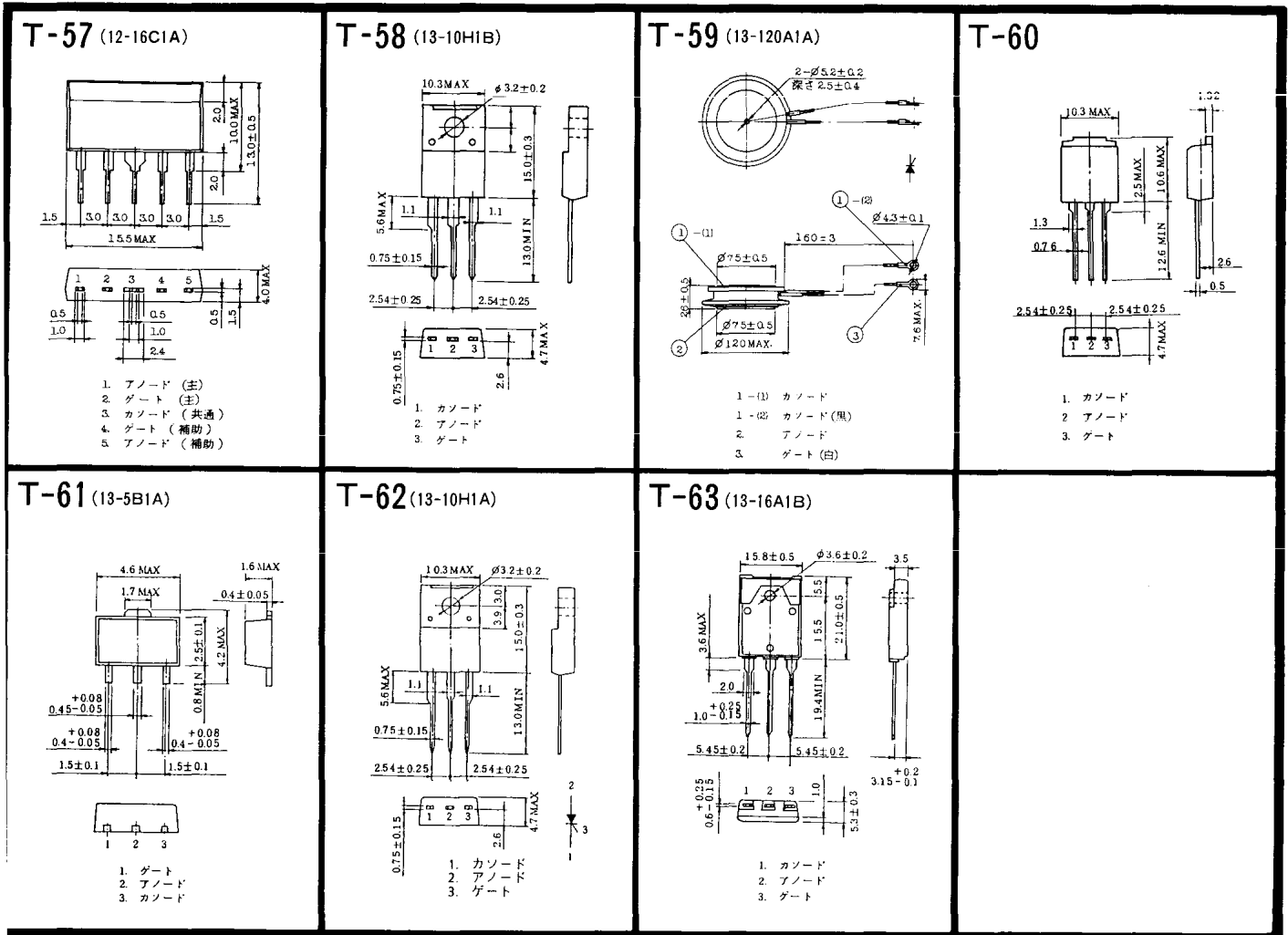
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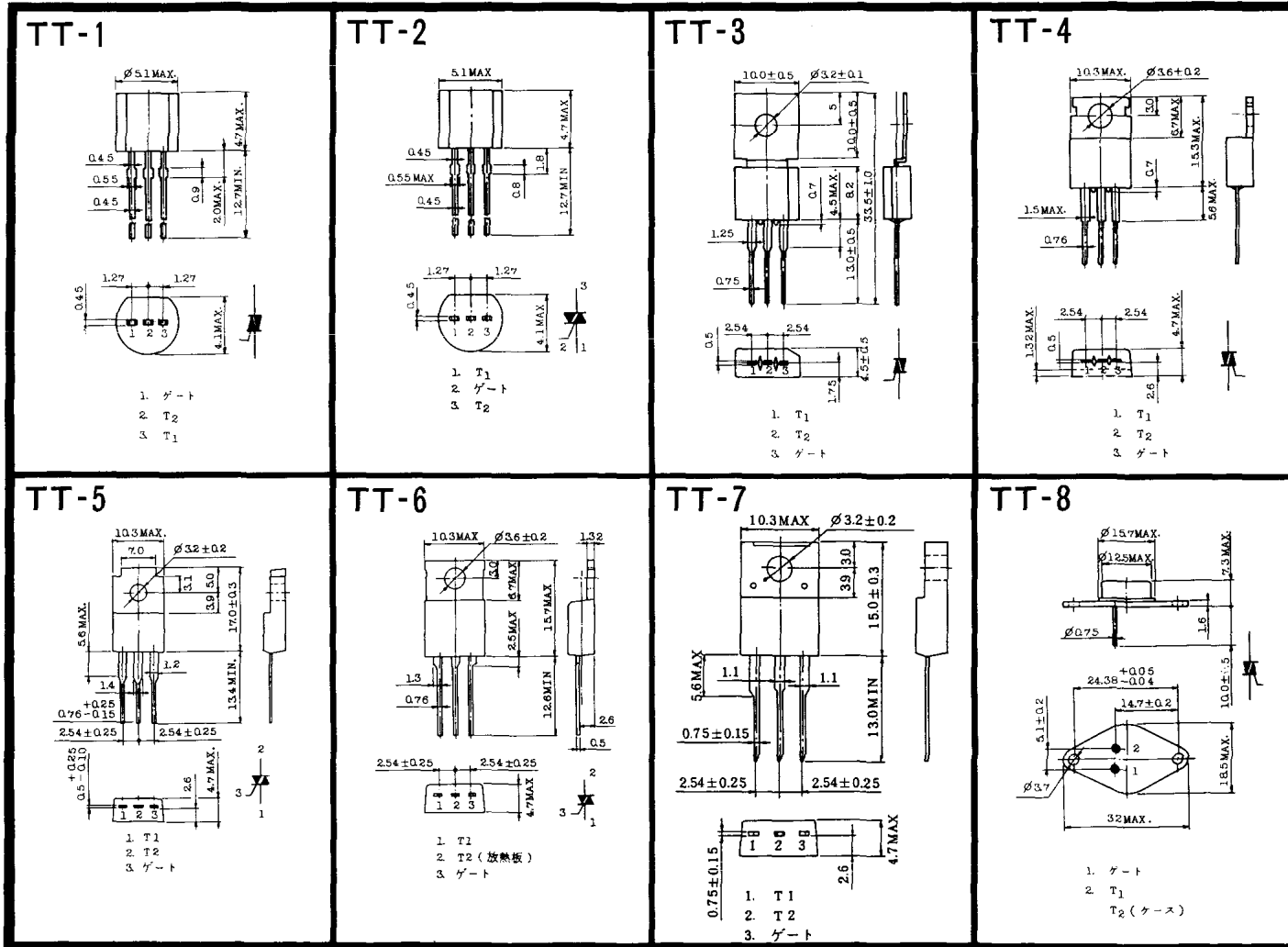
〈寸法図単位:mm〉

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



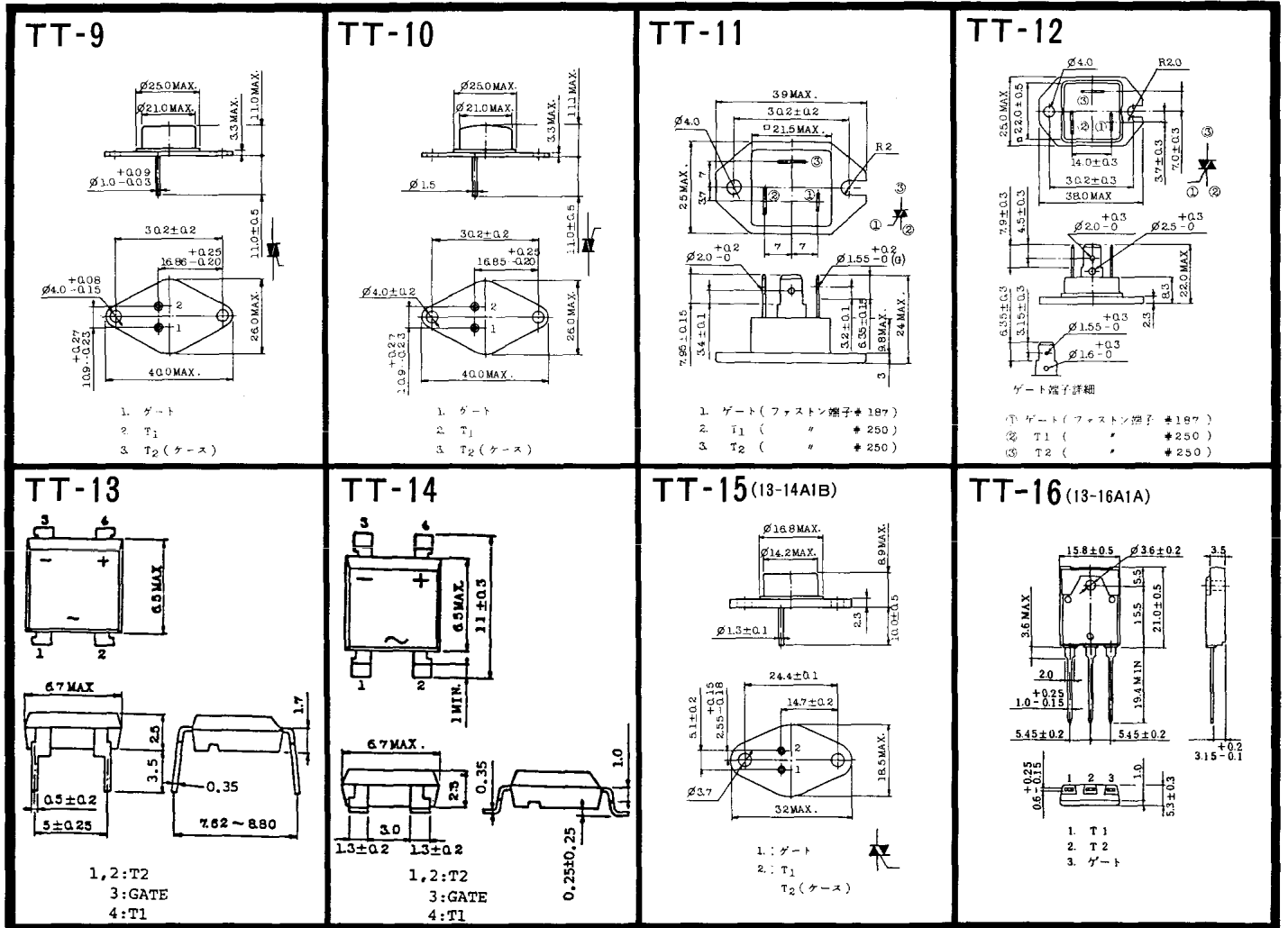
《寸法図単位:mm》

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



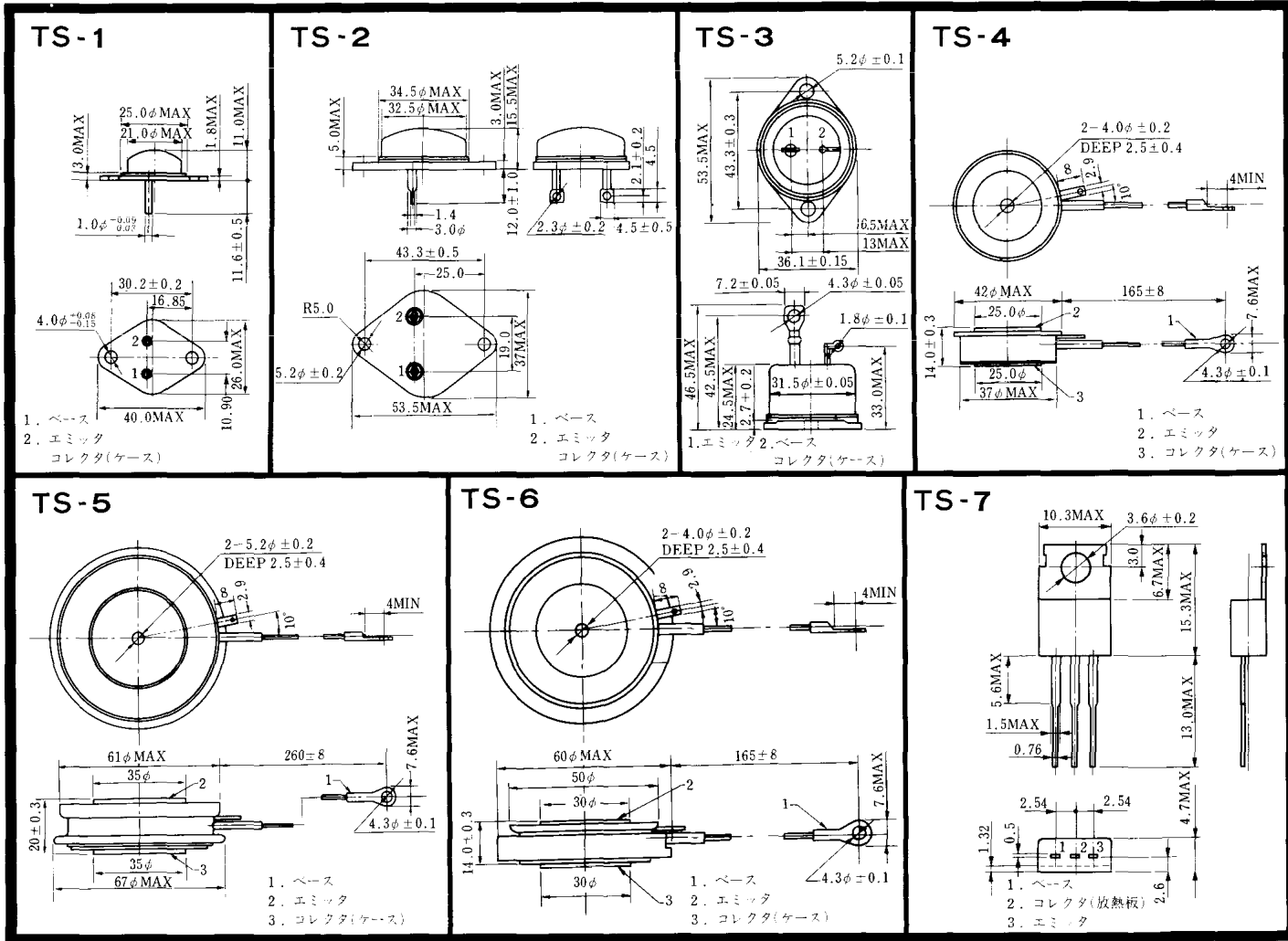
〈寸法図単位: mm〉

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



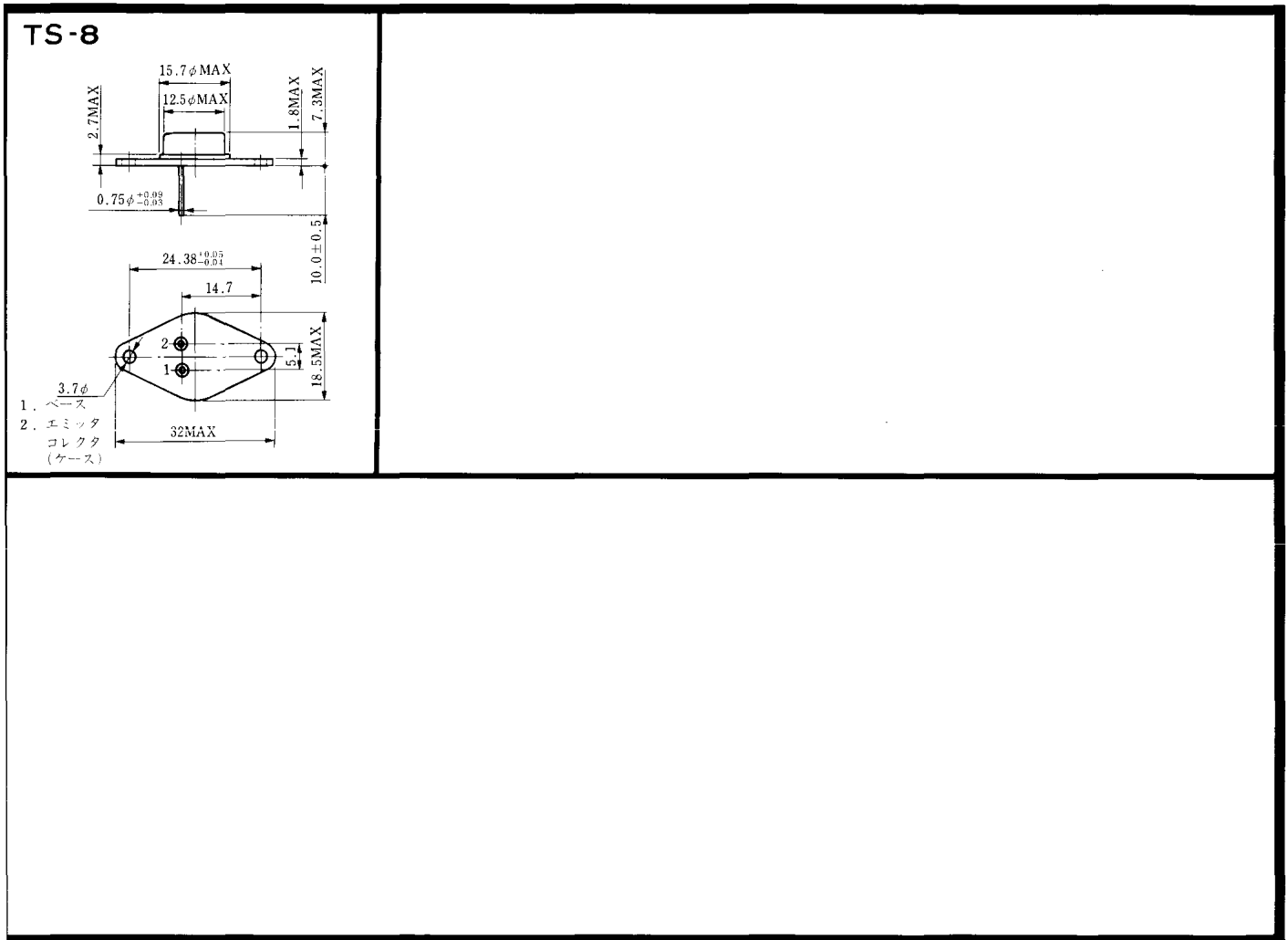
◀寸法図単位: mm▶

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



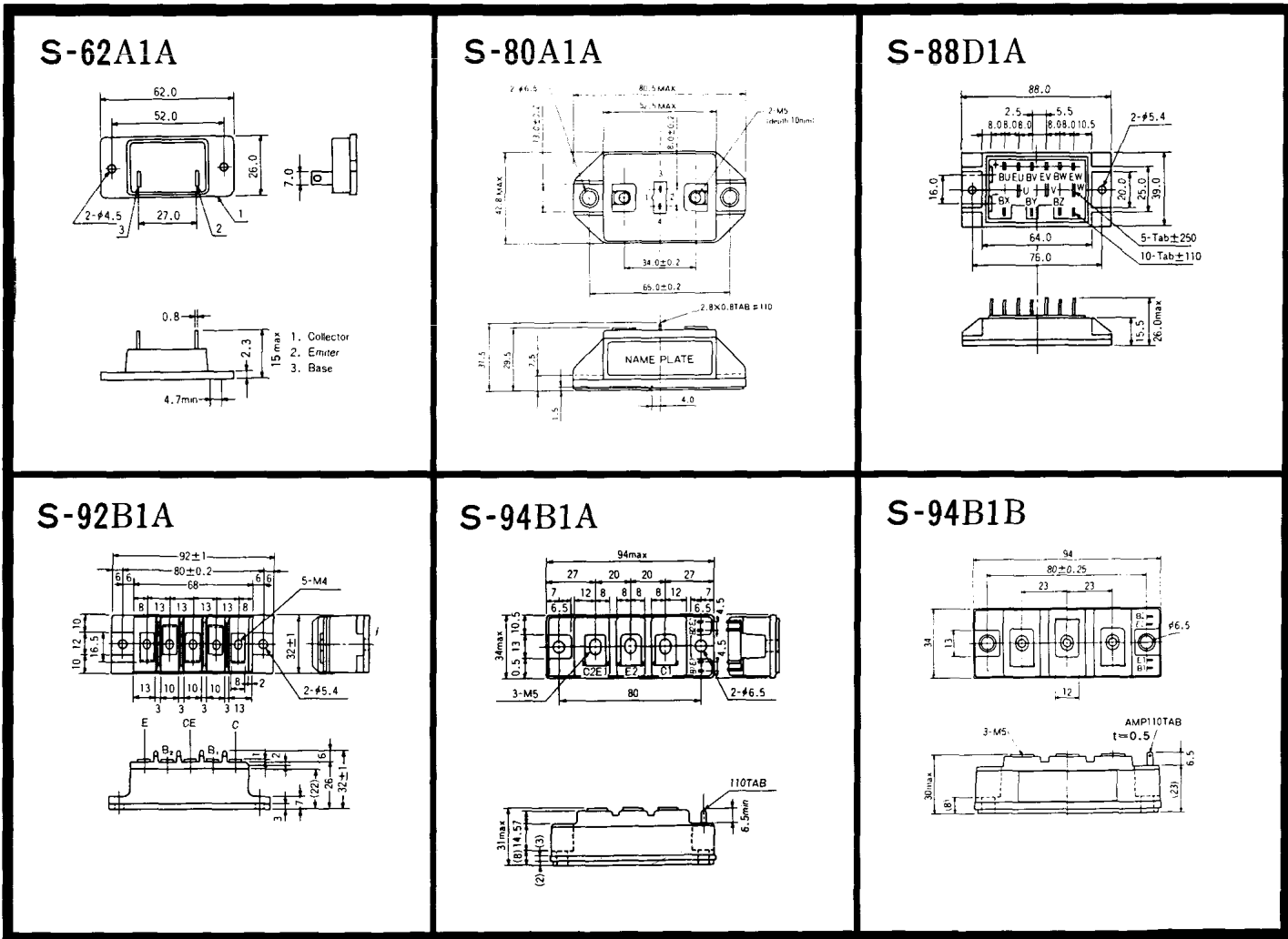
《寸法図単位：mm》

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



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

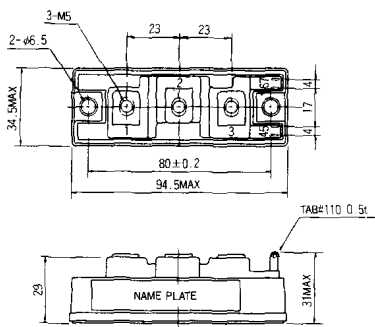
《寸法図単位：mm》



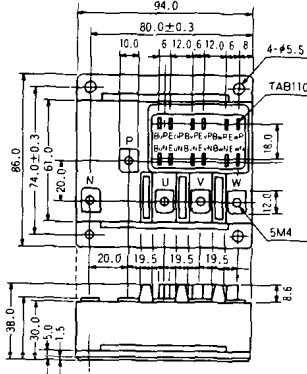
<http://store.iicc.cc/>

<寸法図単位：mm>

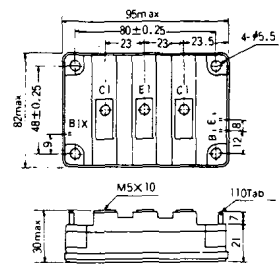
S-94B2A



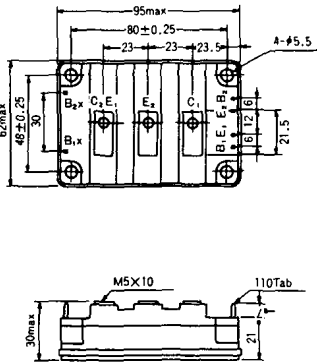
S-94D1A



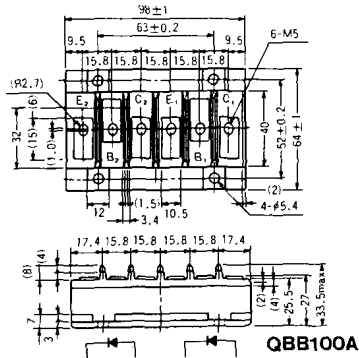
S-95A1A



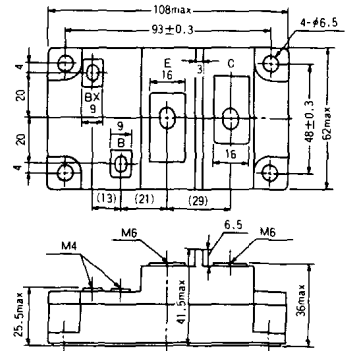
S-95B1A



S-98B1B



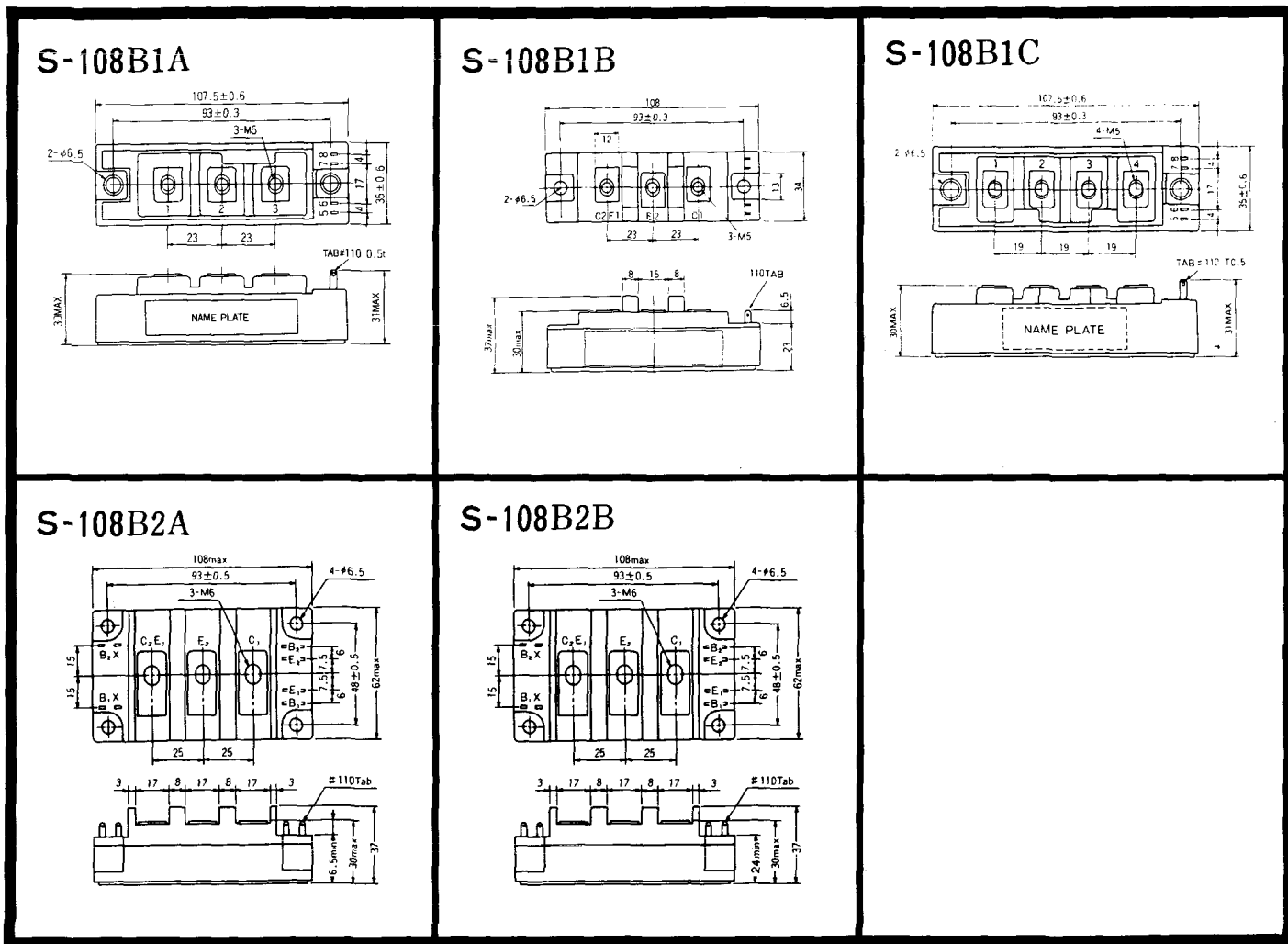
S-108A2A



〈寸法図単位：mm〉

<http://store.iiccc/>

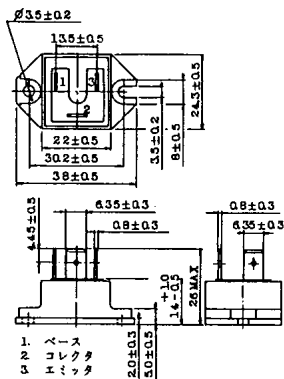




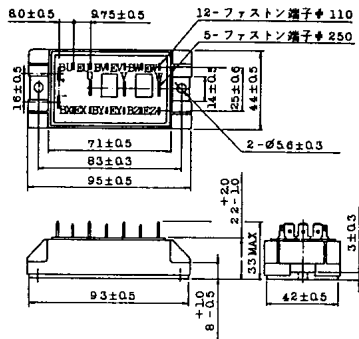
<http://store.iic.cc/>

<寸法图单位:mm>

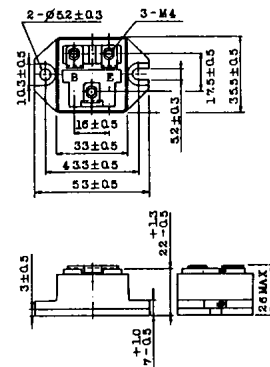
### 2-22B1A



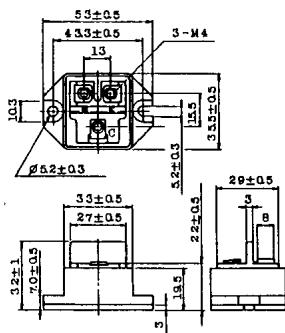
### 2-27A4A



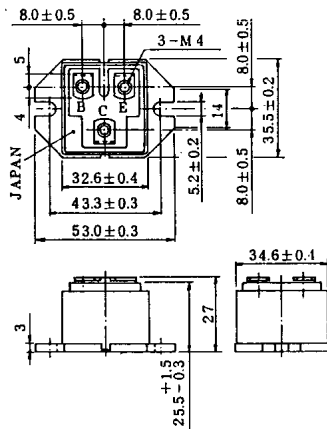
### 2-33C1A



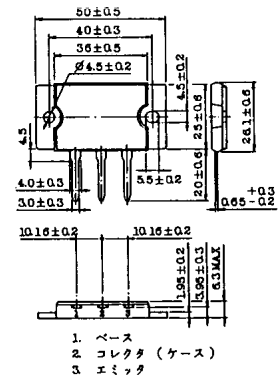
### 2-33D1A



### 2-33F1A

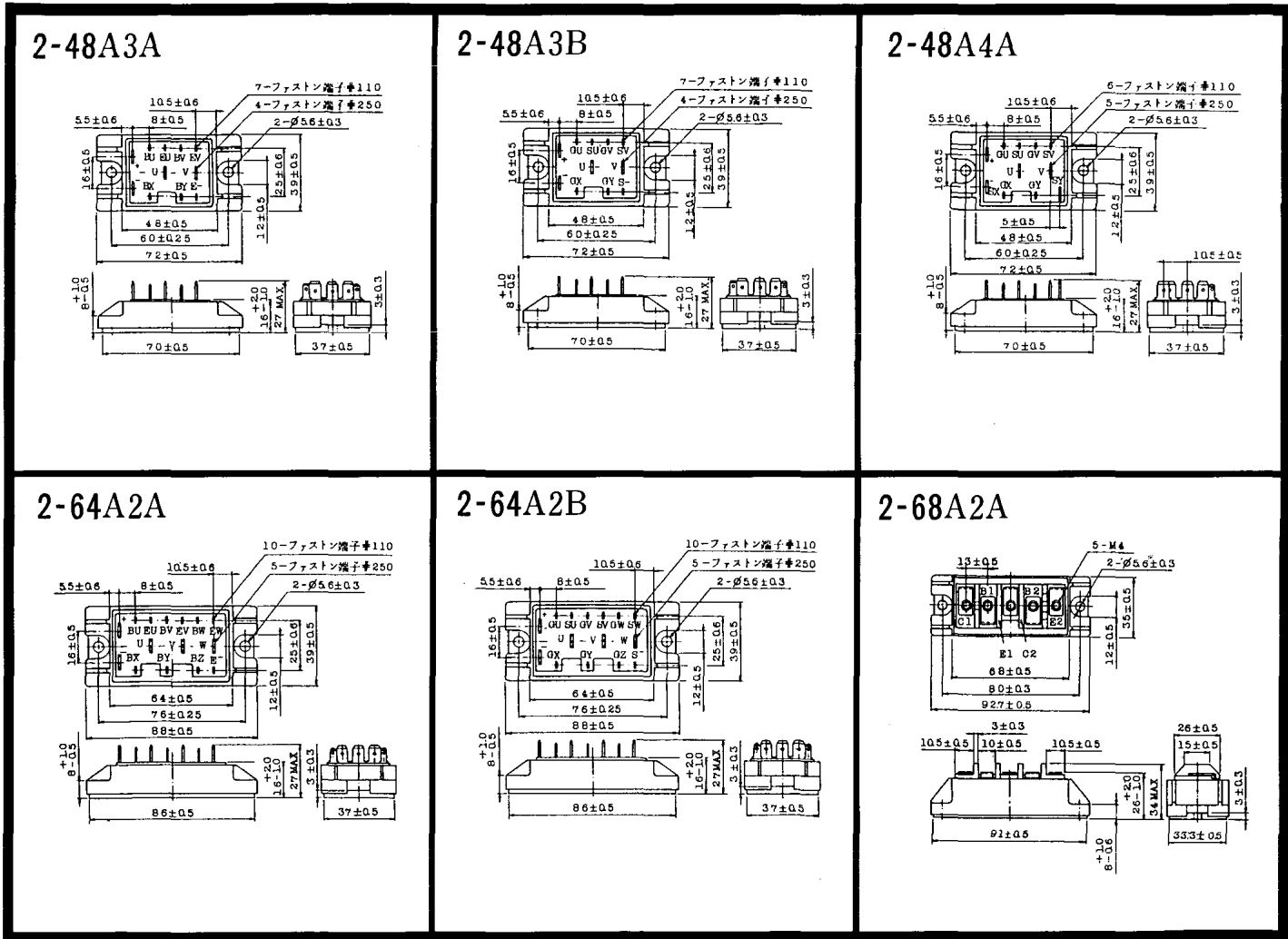


### 2-37A1A



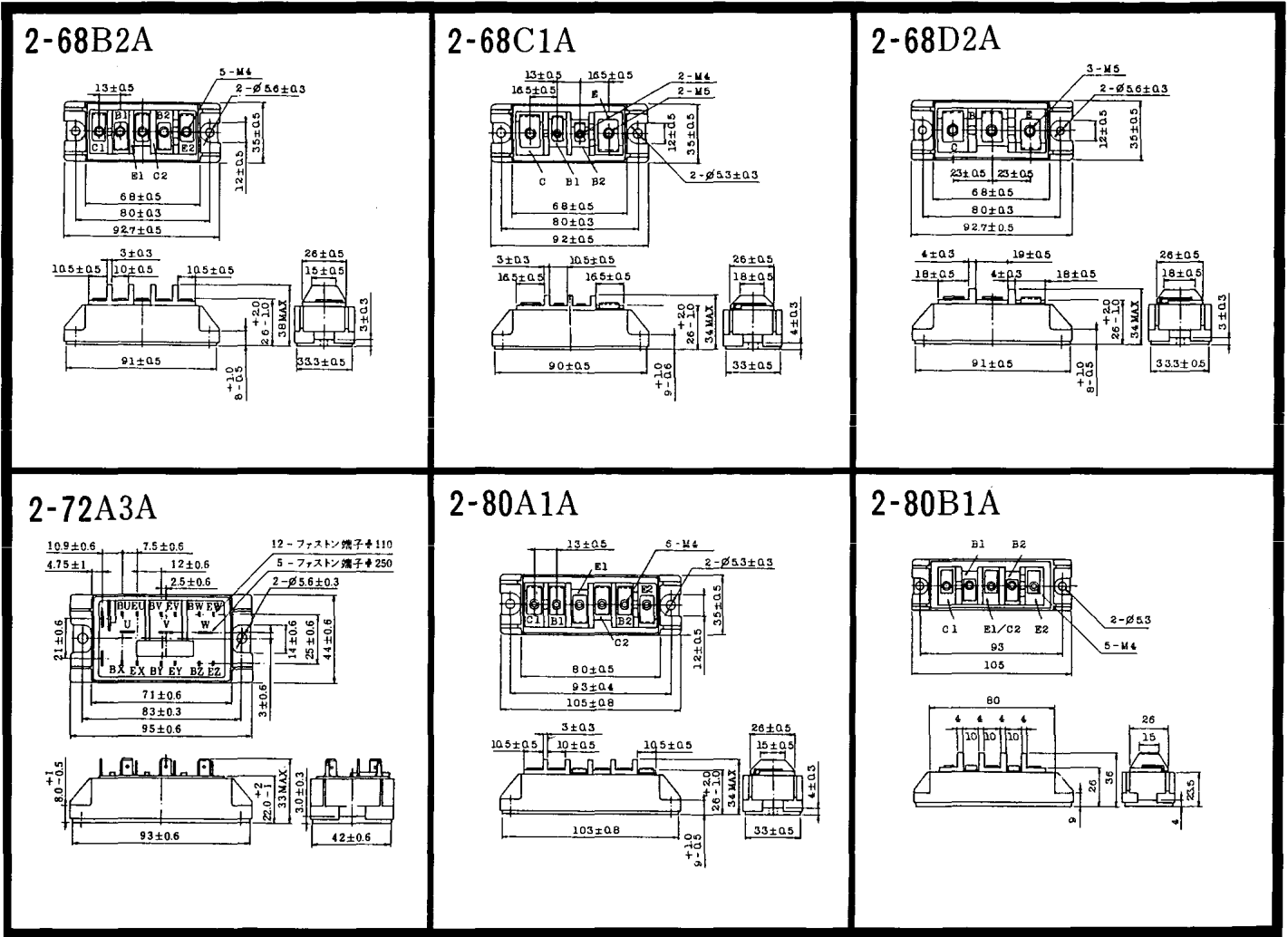
<http://store.iicc.cc/>

《寸法図単位：mm》



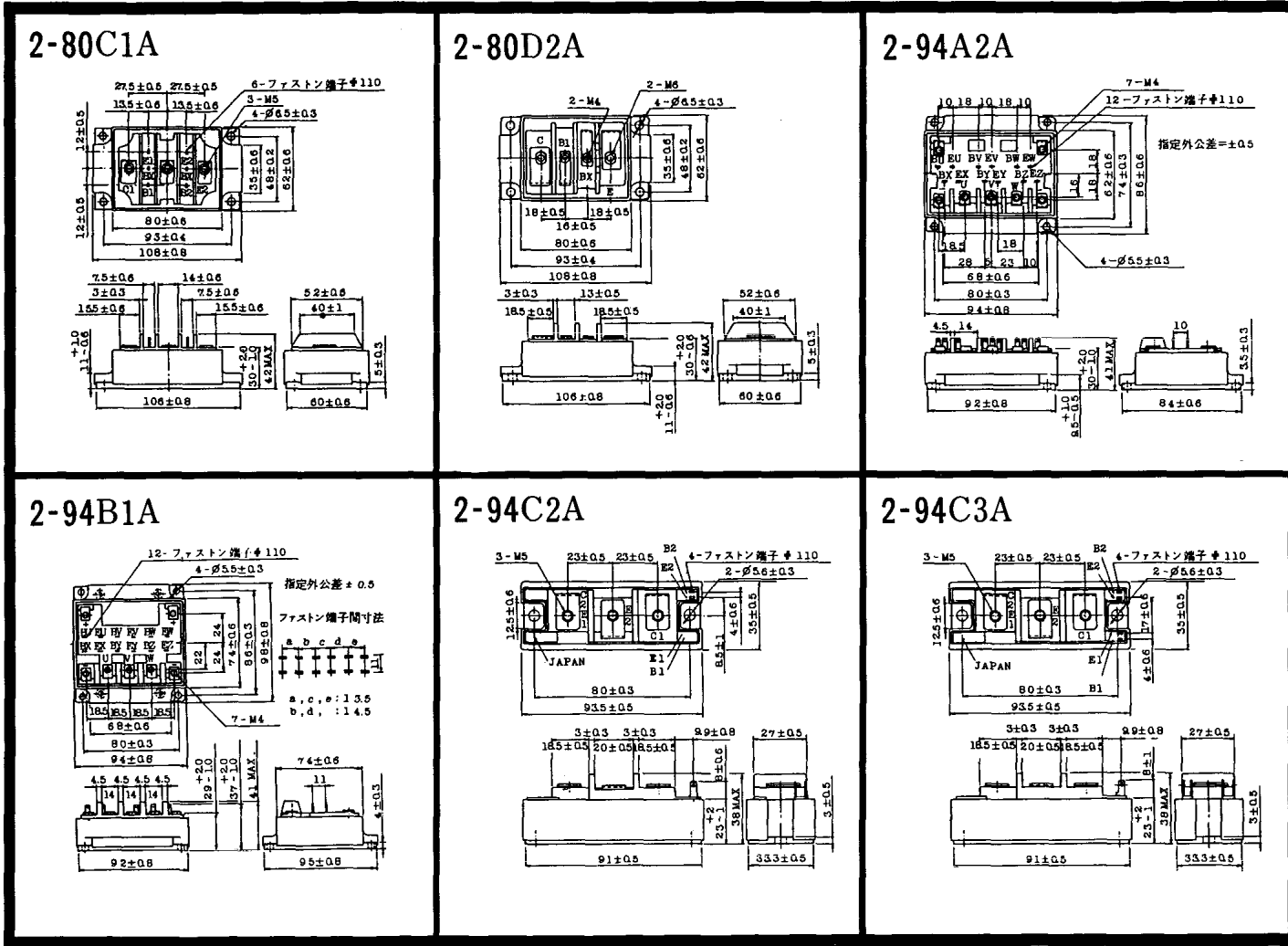
<http://store.iicc/>

〈寸法図単位：mm〉



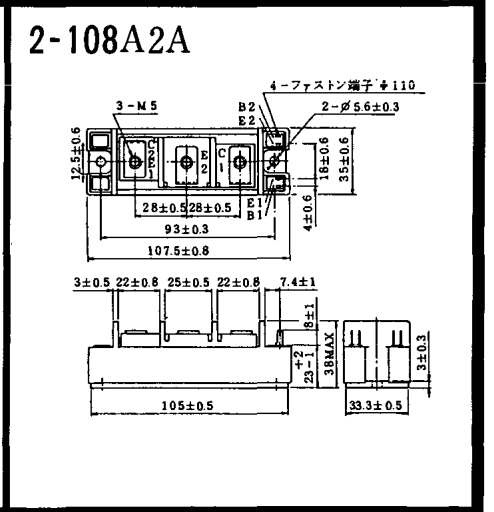
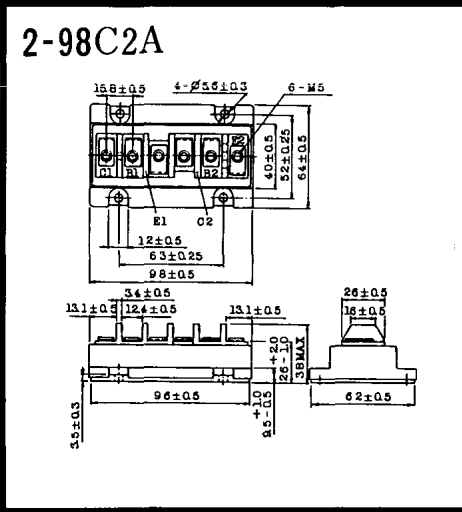
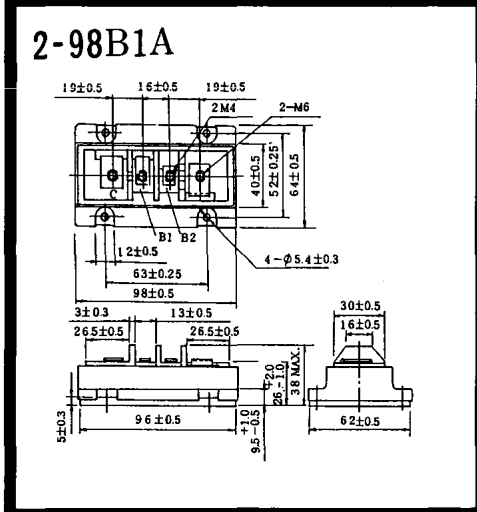
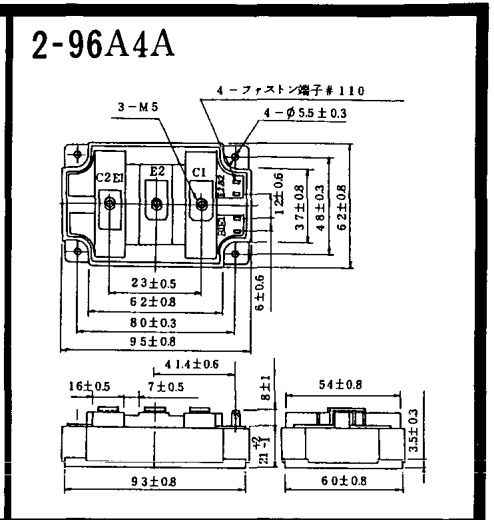
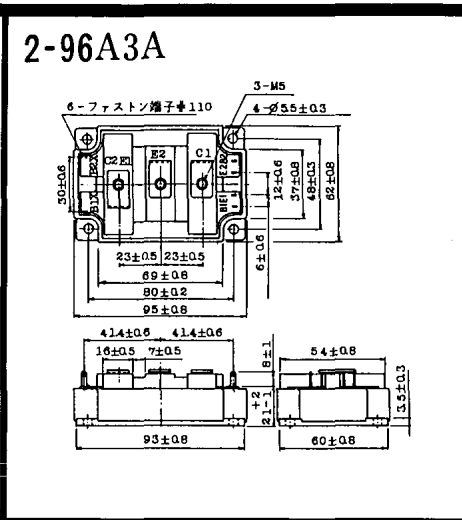
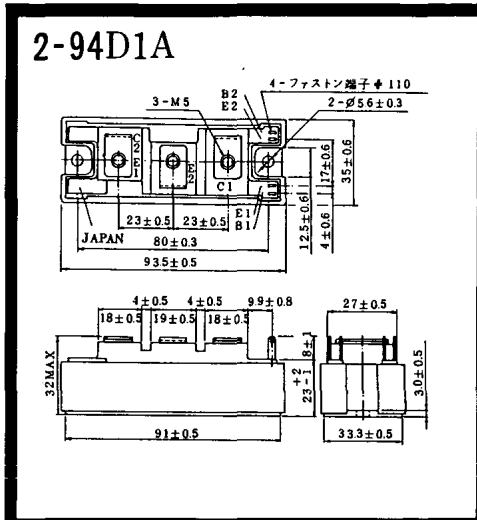
<http://store.iic.cc/>

〈寸法図単位: mm〉



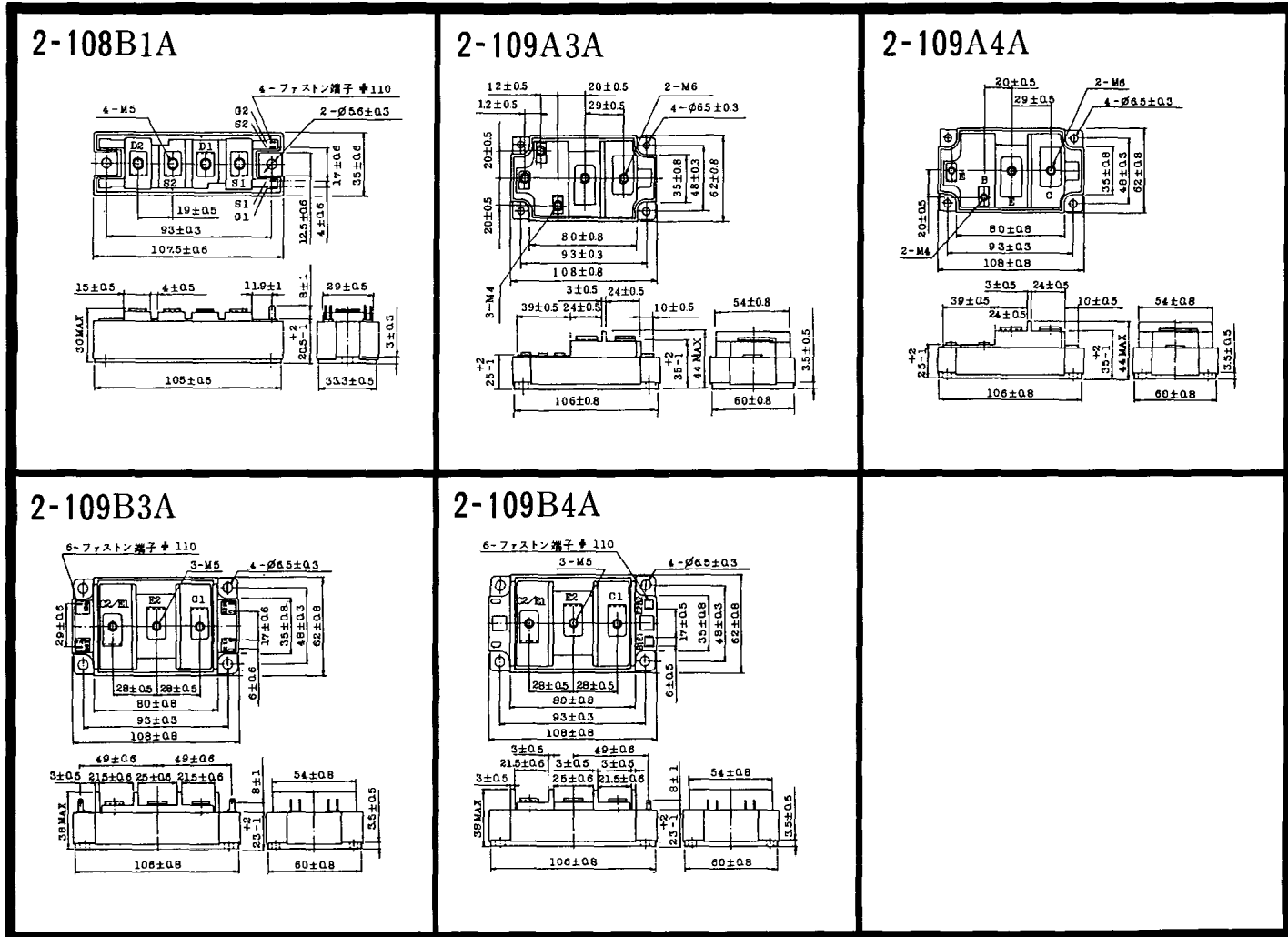
〈寸法図単位：mm〉

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



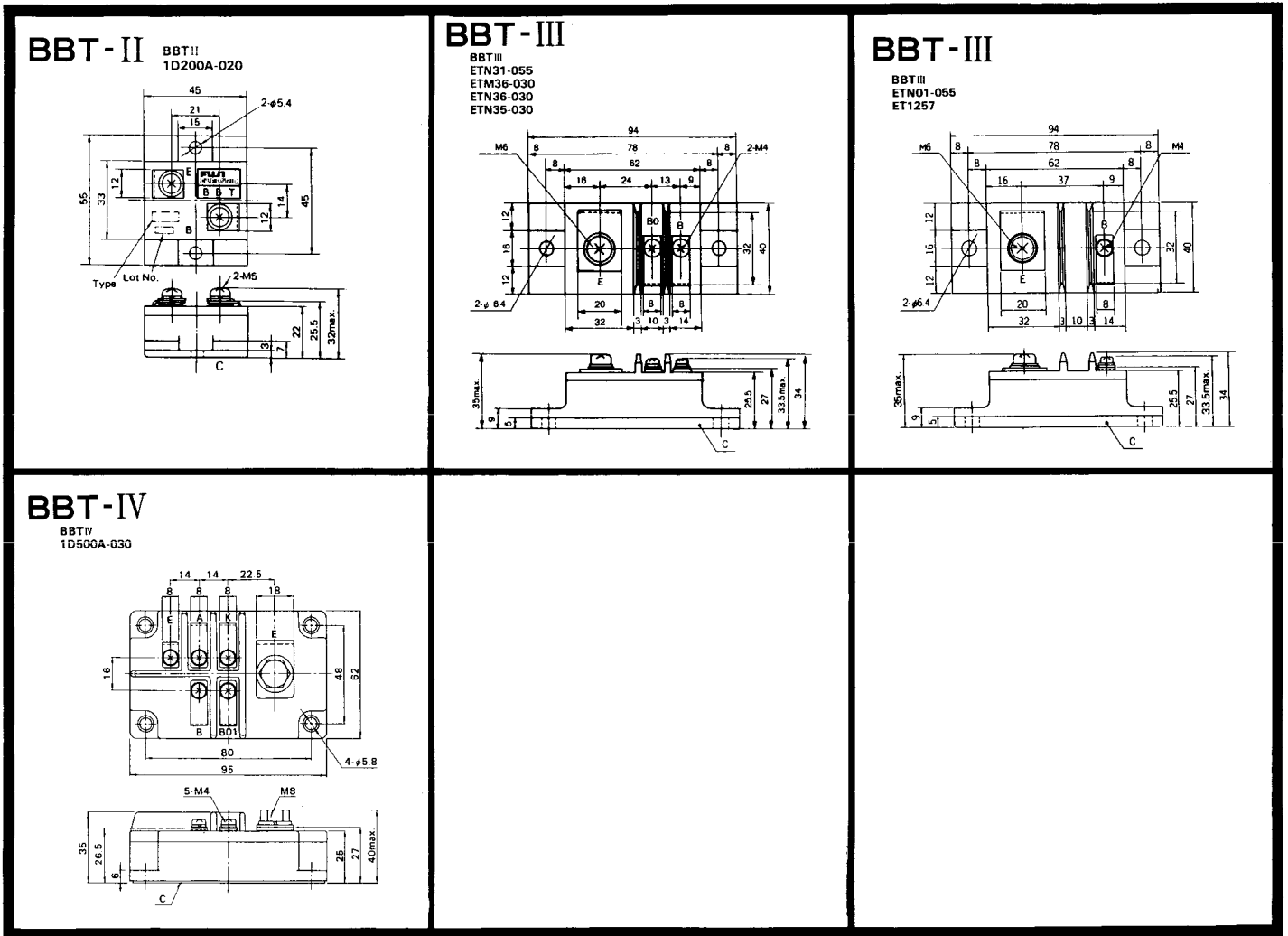
<http://store.iic.cc/>

《寸法図単位：mm》



<寸法図単位：mm>

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

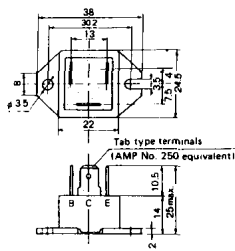


<http://store.iic.cc/>

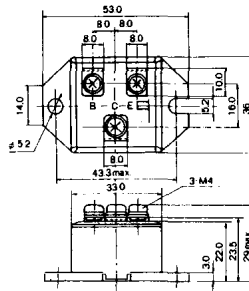
〈寸法图单位:mm〉



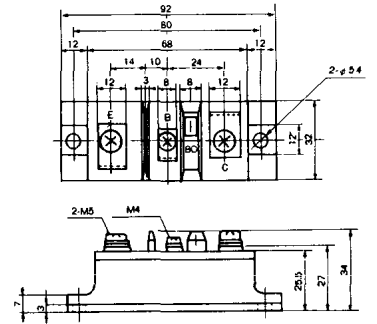
M-101



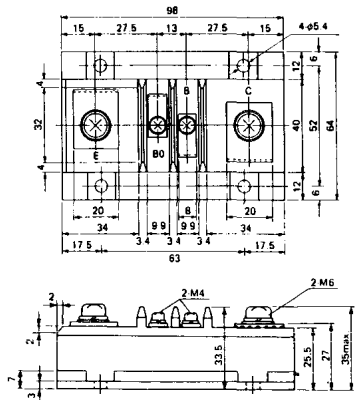
M-102



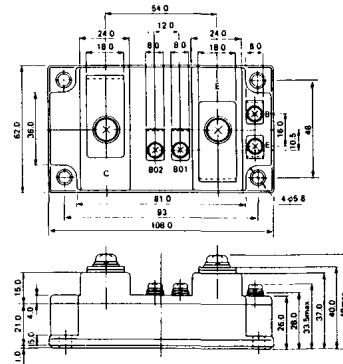
M-103



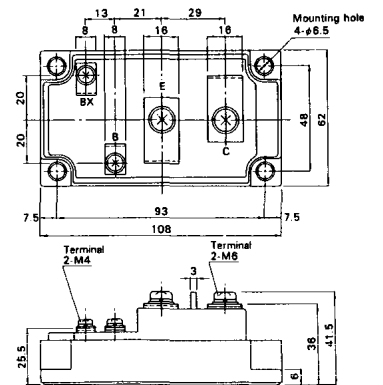
M-104



M-105



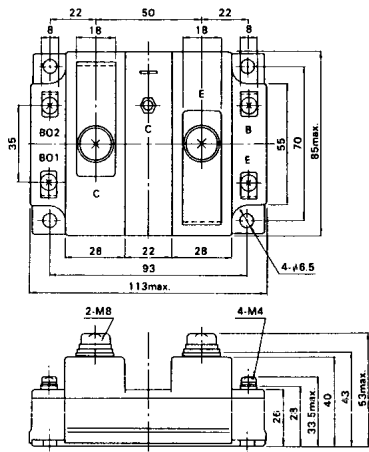
M-106



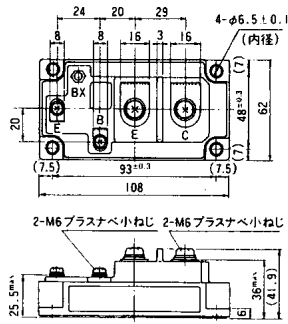
<http://store.iic.cc/>

〈寸法図単位：mm〉

M-107

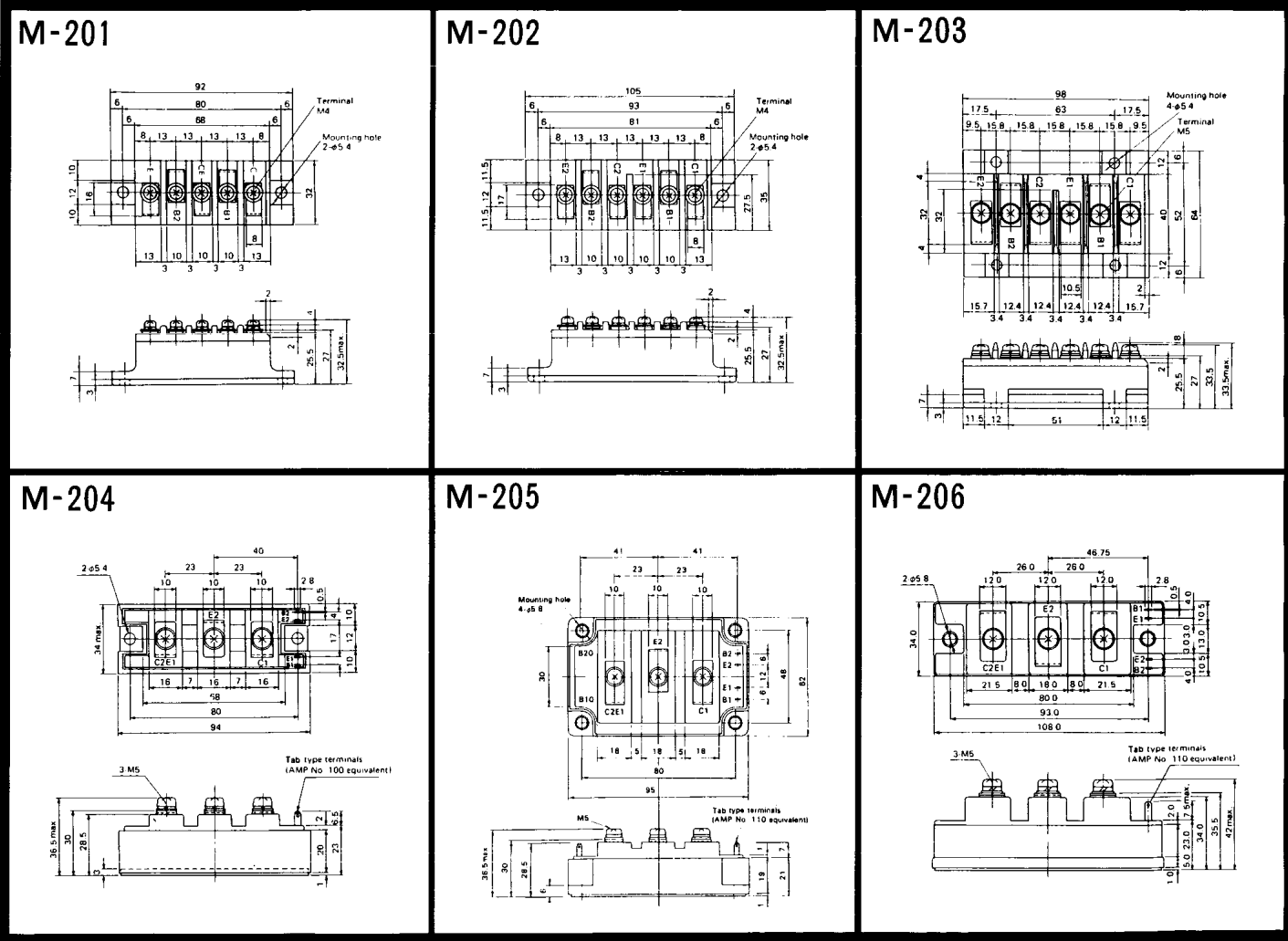


M-116



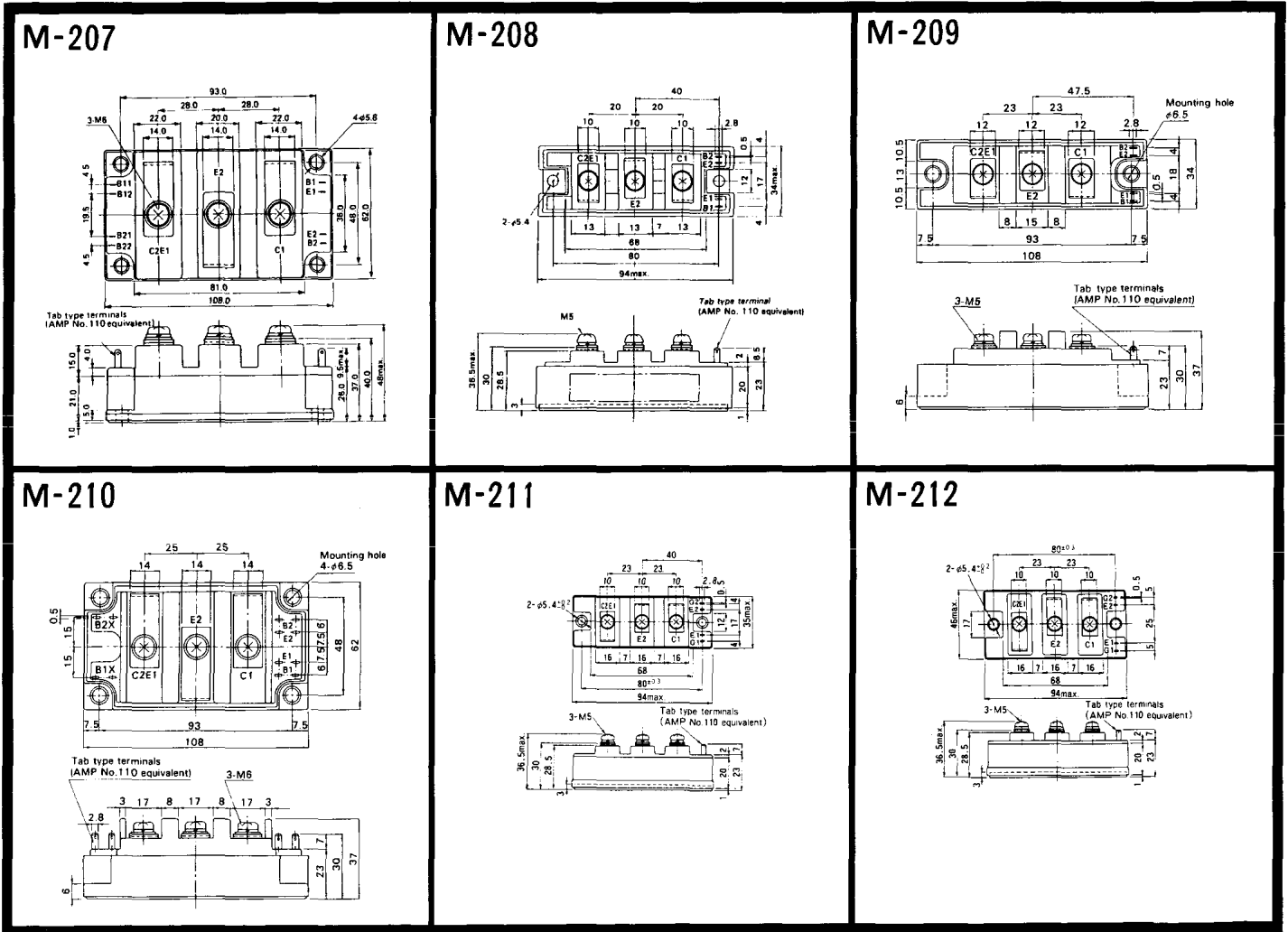
<http://store.iiic.cc/>

〈寸法図単位：mm〉



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

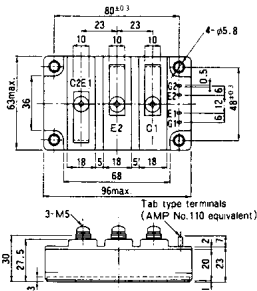
〈寸法図単位：mm〉



《寸法図単位：mm》

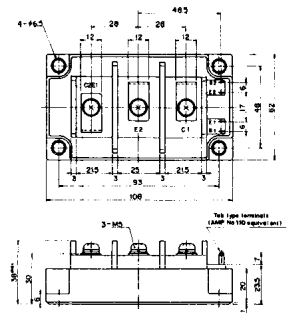
<http://store.iic.cc/>

M-213

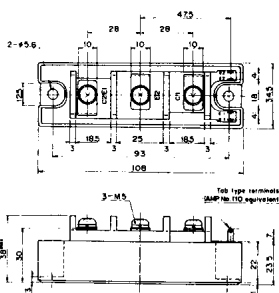


M-214

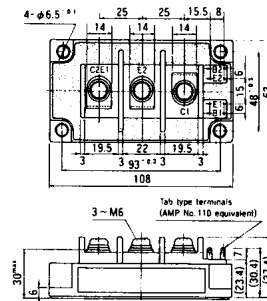
M-215



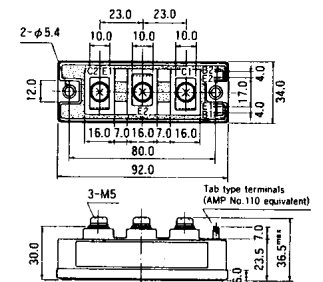
M-216



M-217



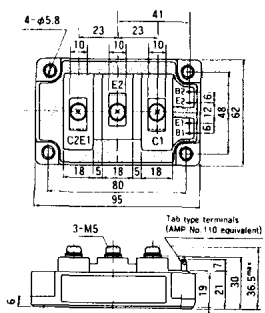
M-218



〈 寸法図単位:mm 〉

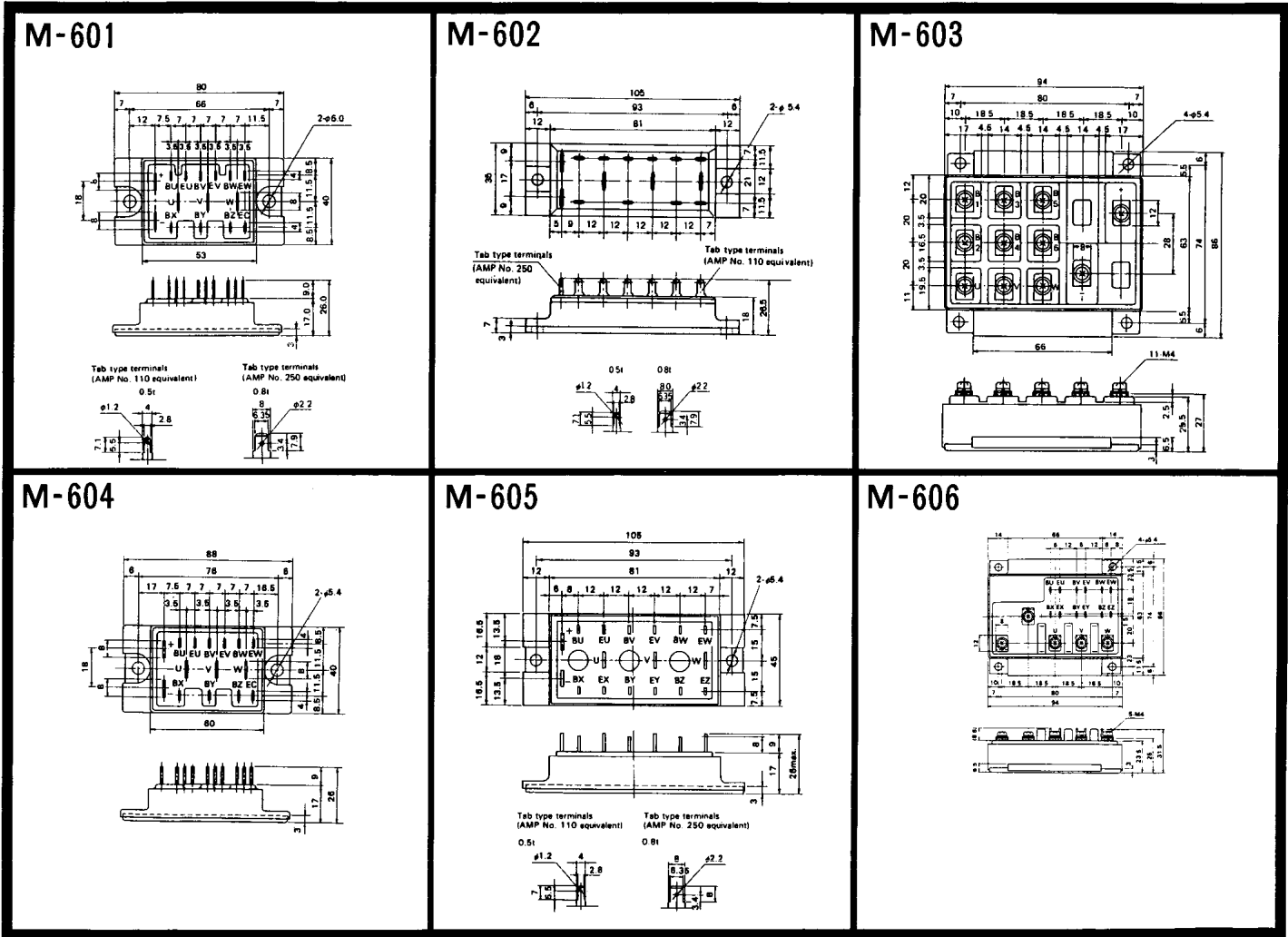
<http://store.iic.cc/>

M-219



<寸法図単位:mm>

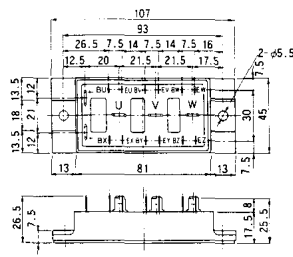
<http://store.iic.cc/>



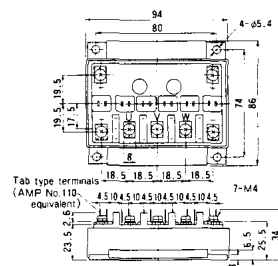
《寸法図単位：mm》

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

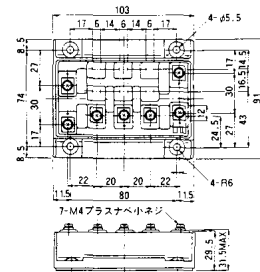
M-607



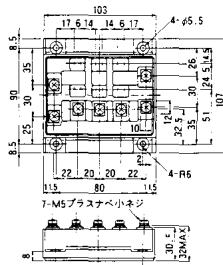
M-608



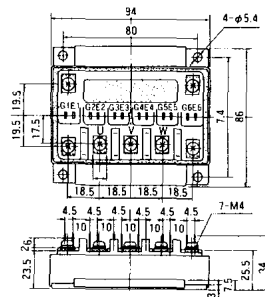
M-609



M-610



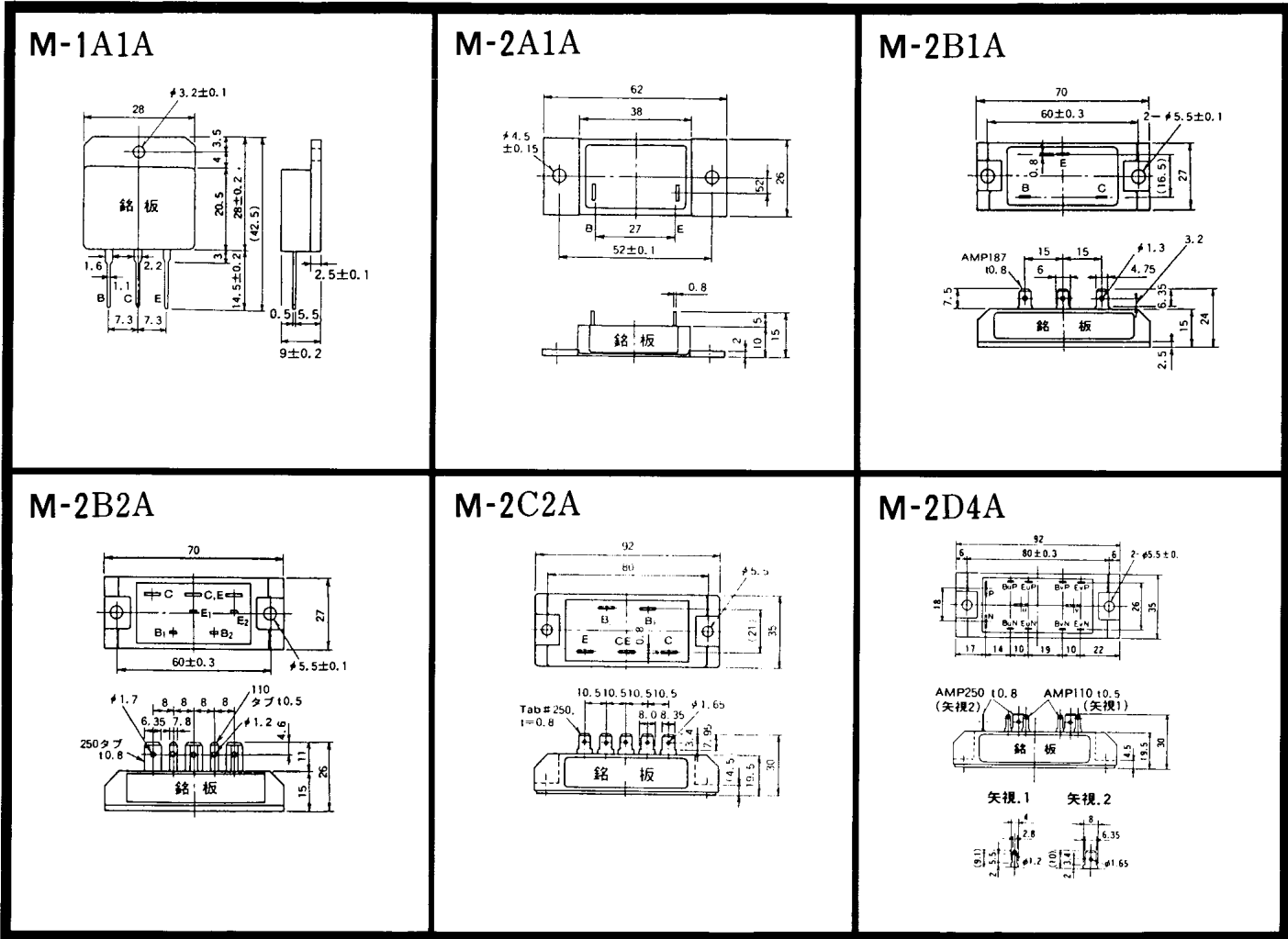
M-616



《寸法図単位:mm》

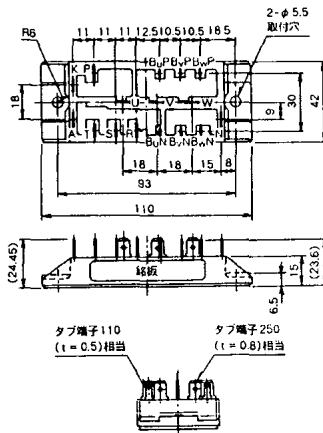
<http://store.iic.cc/>



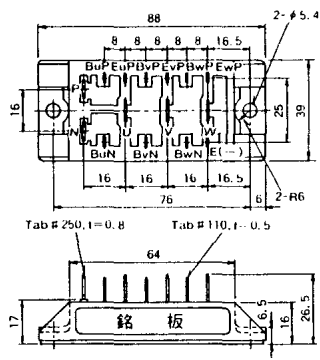


<http://store.iic.cc/>

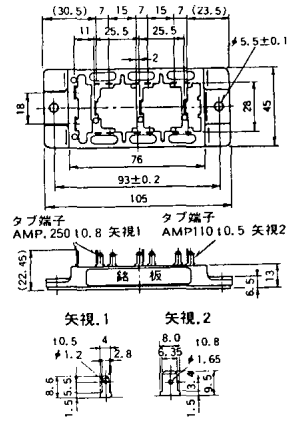
### M-2E6A



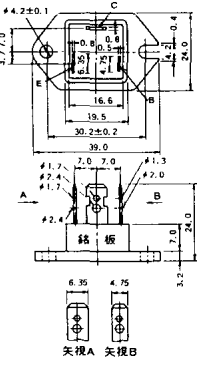
### M-2F6A



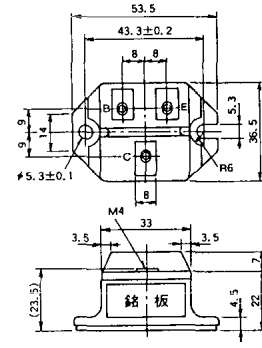
### M-2G6A



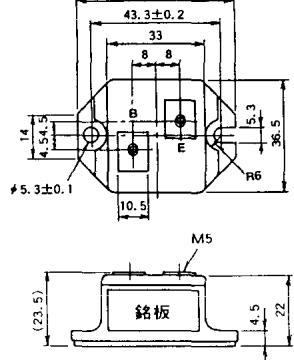
### M-3A1A



### M-3B1A



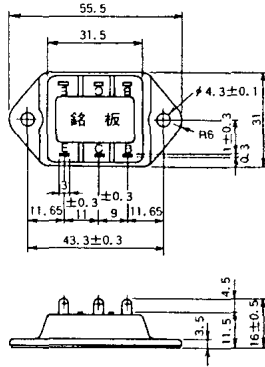
### M-3B1B



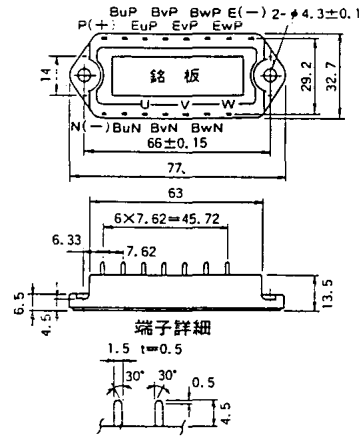
《寸法同単位:mm》

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

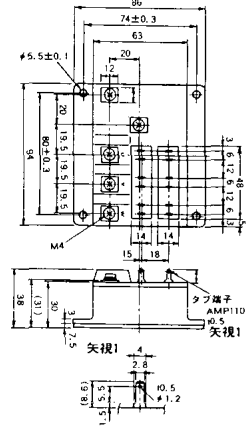
M-3C1A



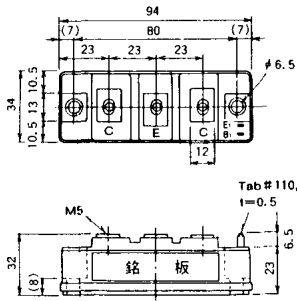
M-3D6A



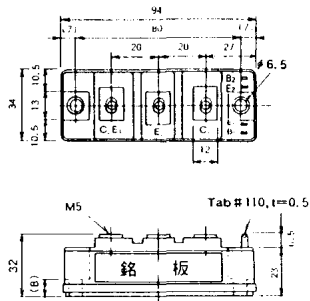
M-3E6A



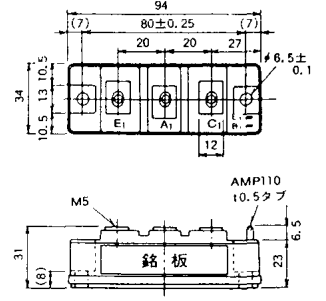
M-4A1A



M-4A2A



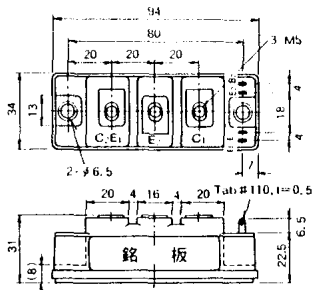
M-4A1B



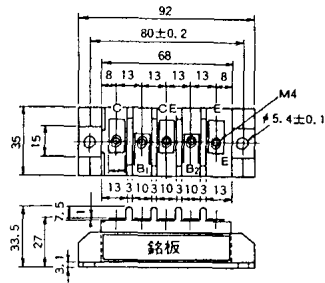
<寸法図単位:mm>

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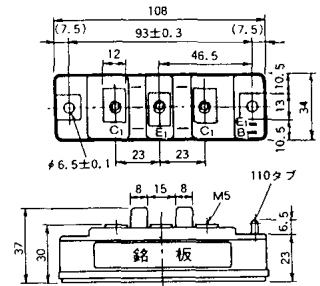
M-4A2B



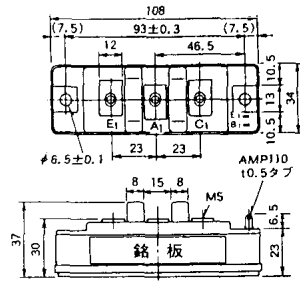
M-4B2A



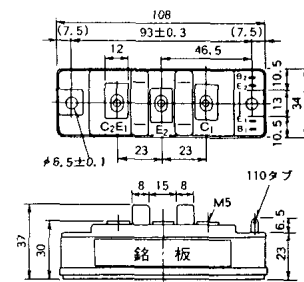
M-5A1A



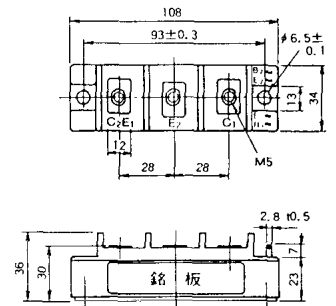
M-5A1B



M-5A2A

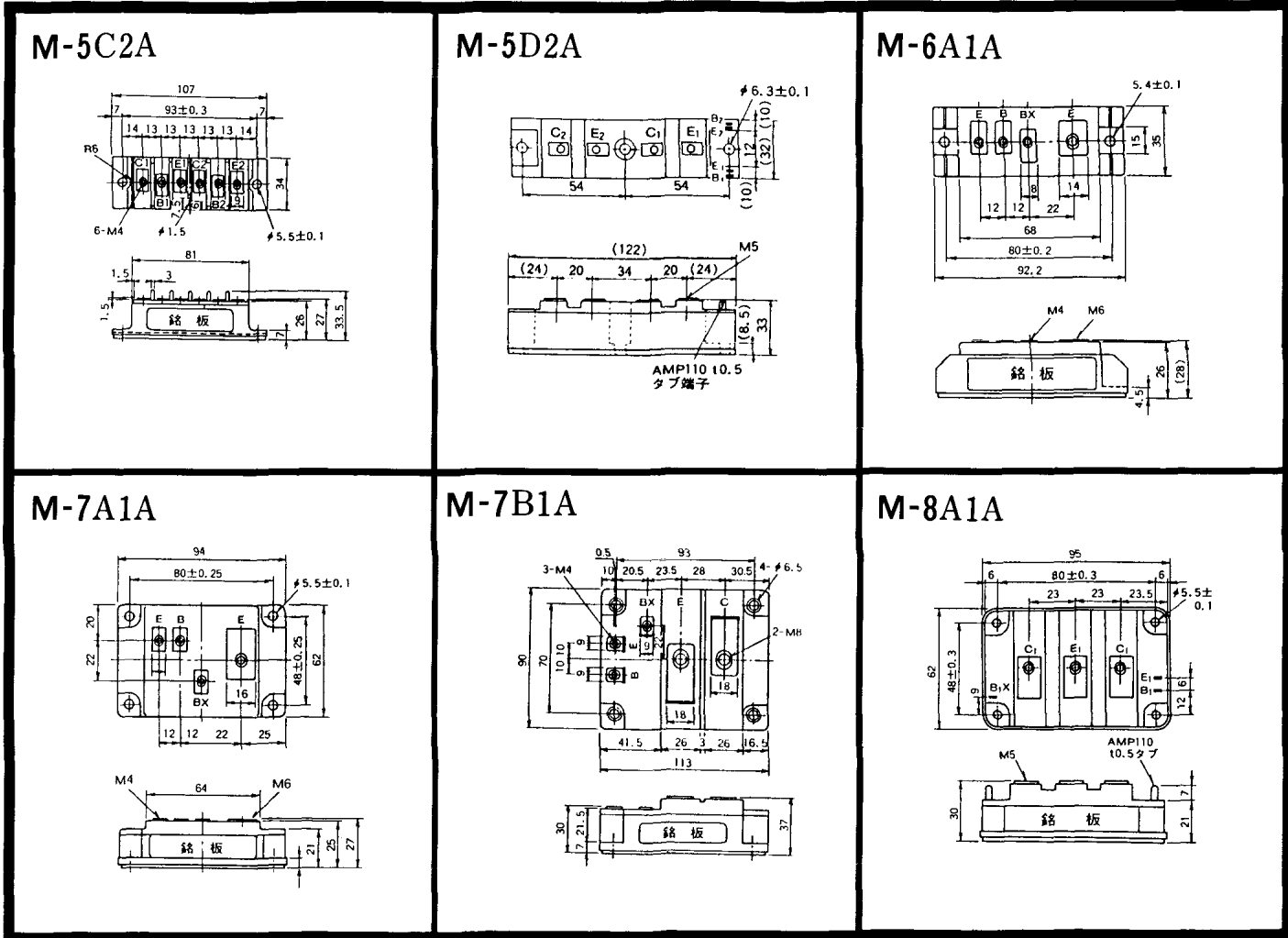


M-5B2A



《寸法図単位:mm》

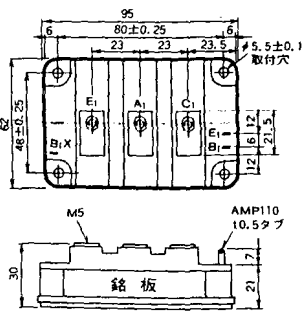
<http://store.iic.cc/>



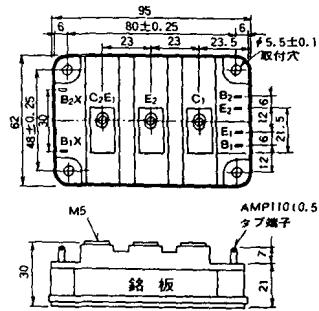
〈寸法図単位:mm〉

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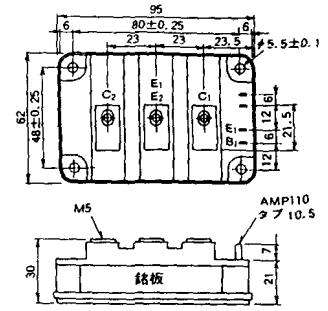
M-8A1B



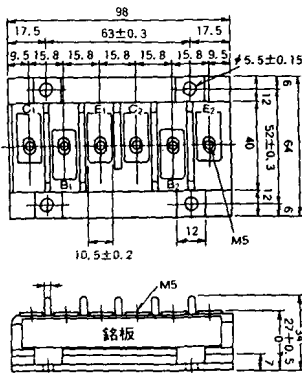
M-8A2A



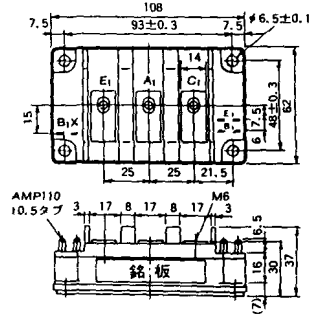
M-8A2B



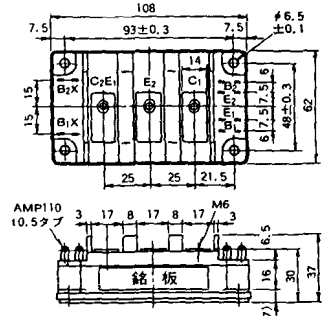
M-8B2A



M-9A1A

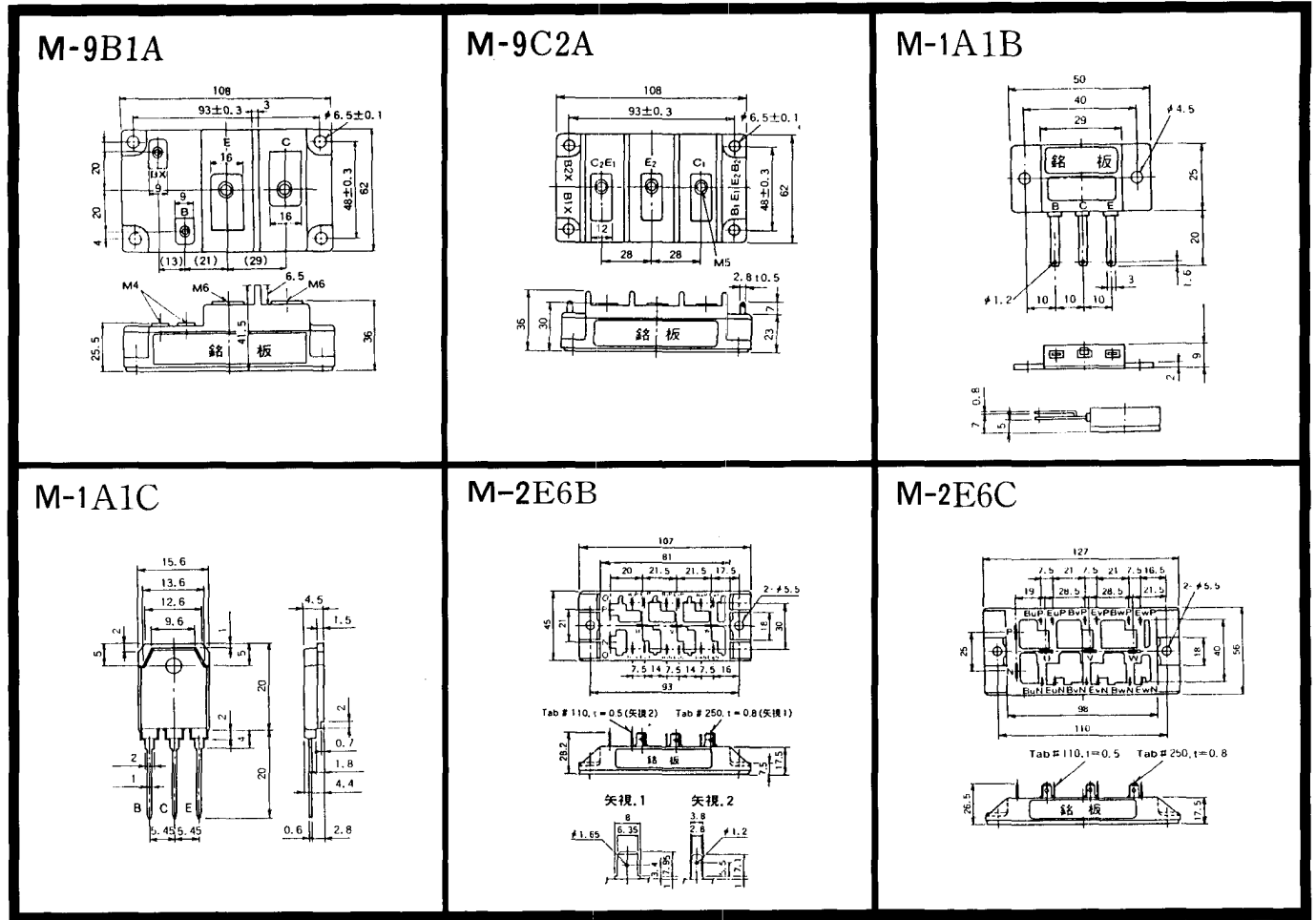


M-9A2A



《寸法図単位:mm》

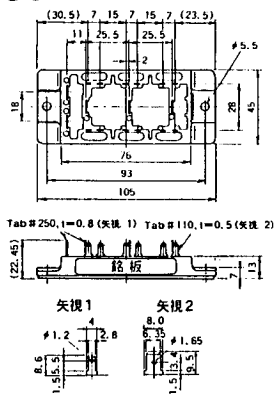
<http://store.iic.cc/>



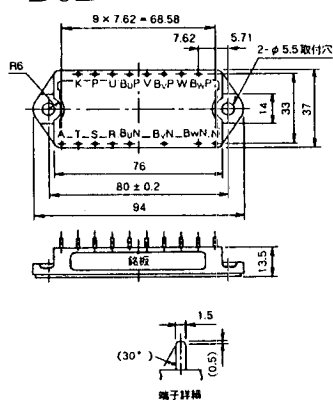
《寸法图单位:mm》

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

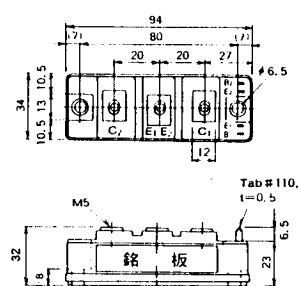
### M-2G6B



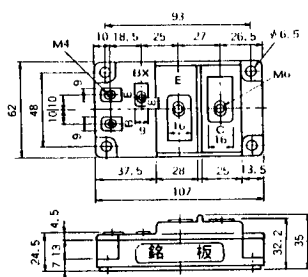
### M-3D6B



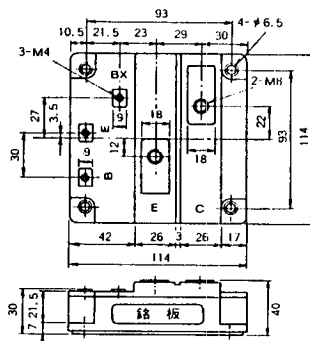
### M-4A2C



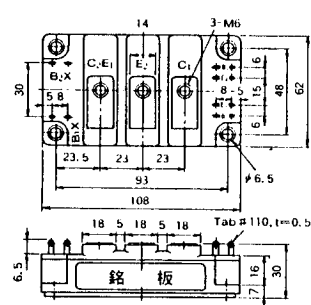
### M-7A1B



### M-7C1A



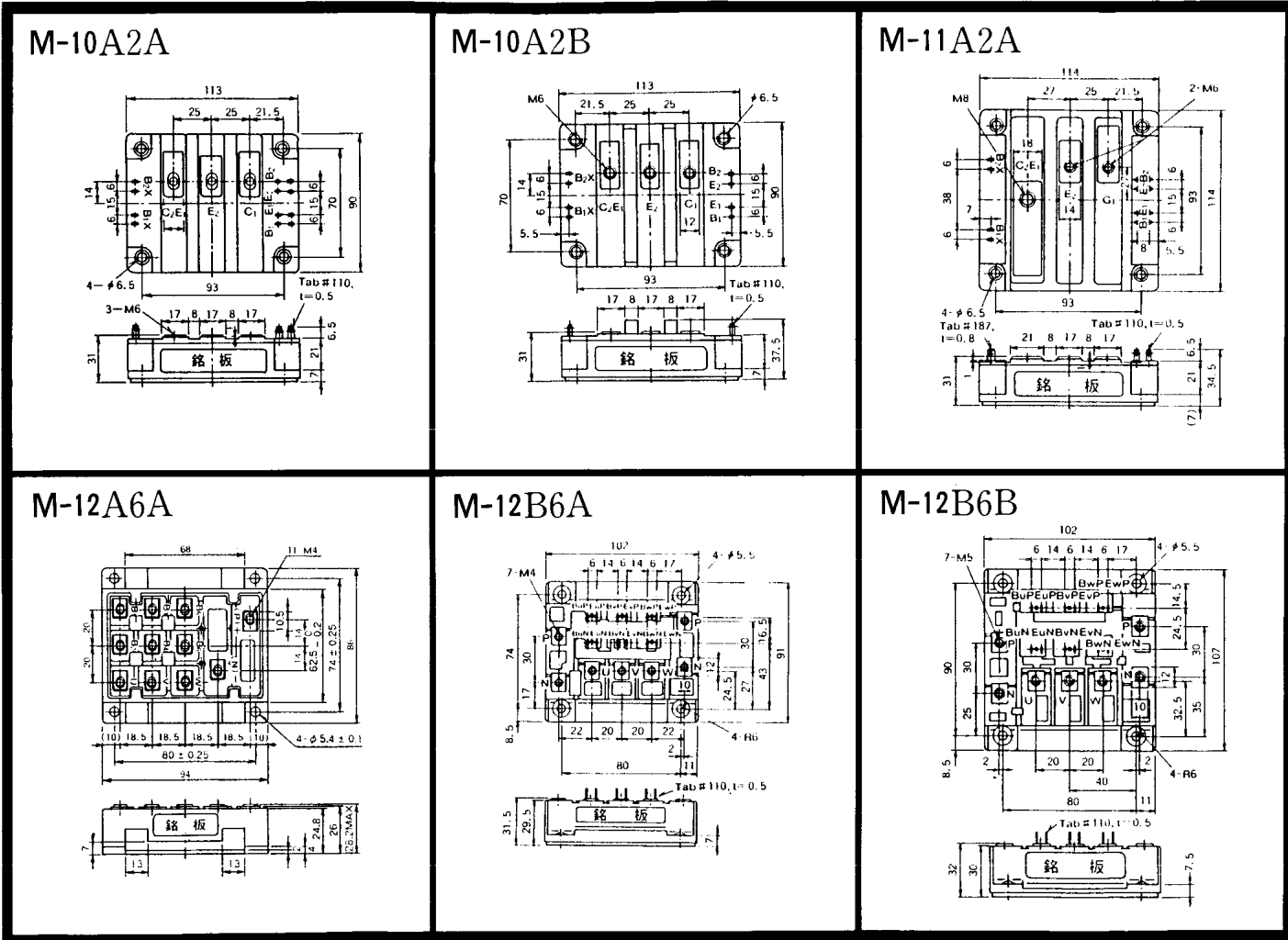
### M-8A2C



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《寸法図単位：mm》

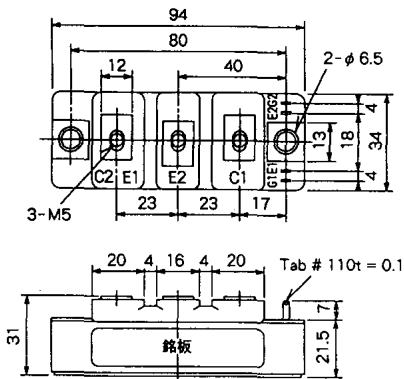




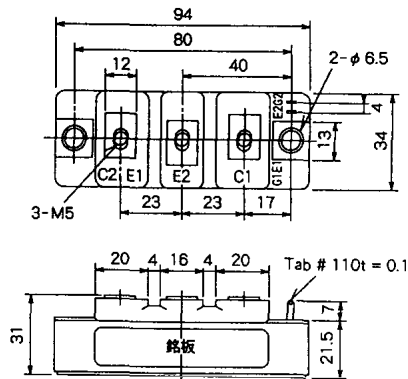
《寸法図単位：mm》

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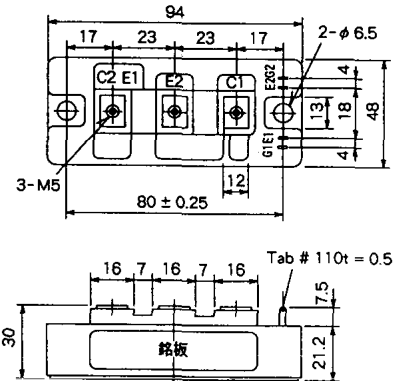
M-4A2D



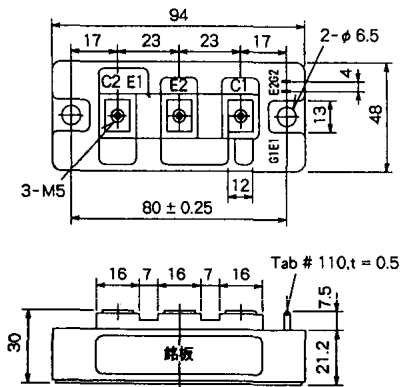
M-4A2E



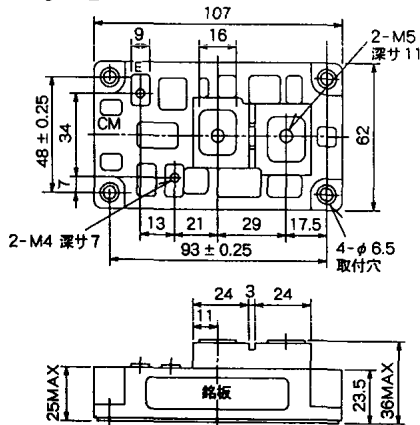
M-4C2A



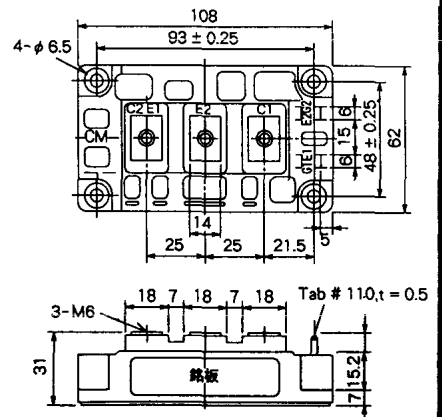
M-4C2B



M-9B1C

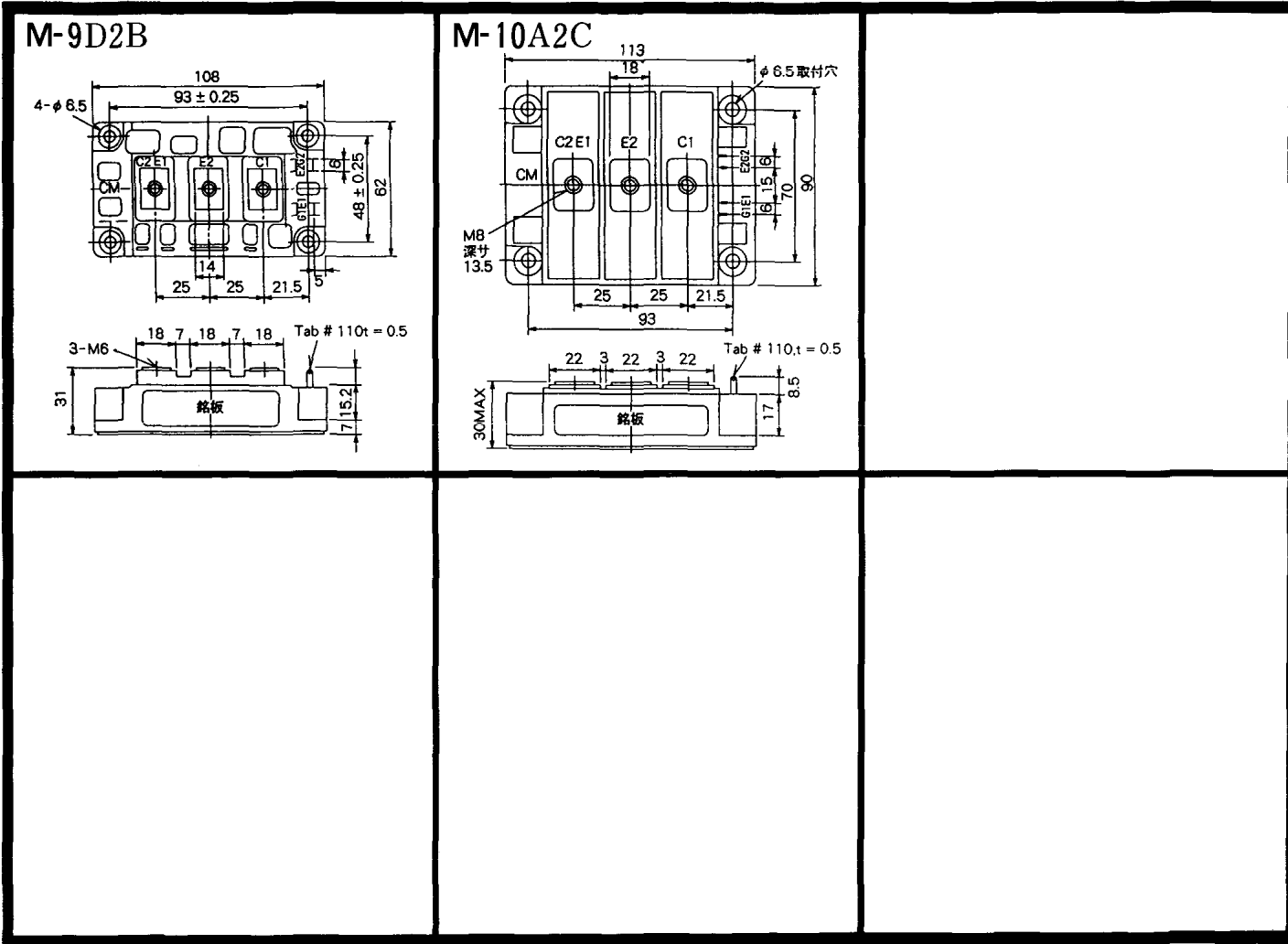


M-9D2A



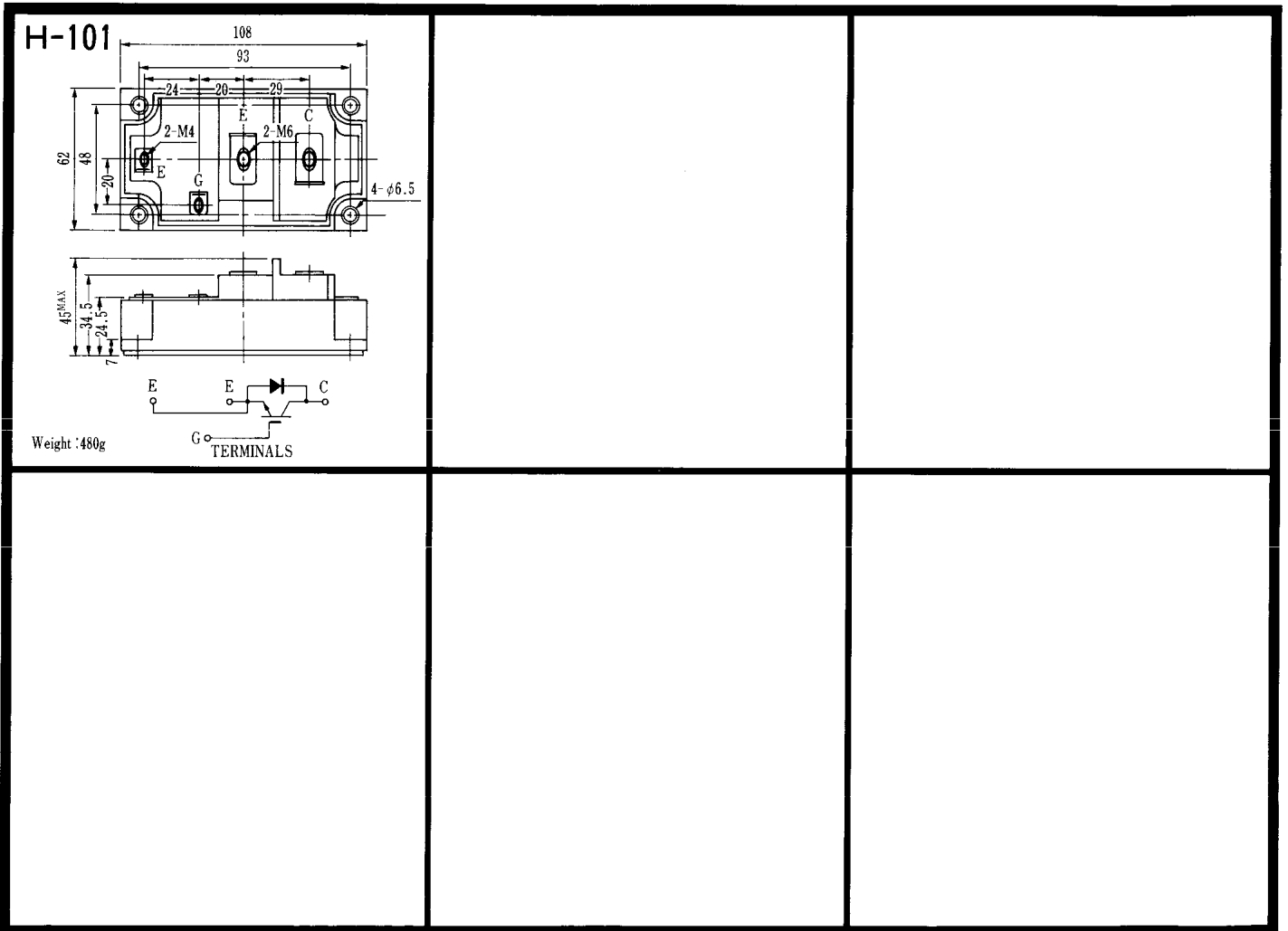
〈寸法図単位：mm〉

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



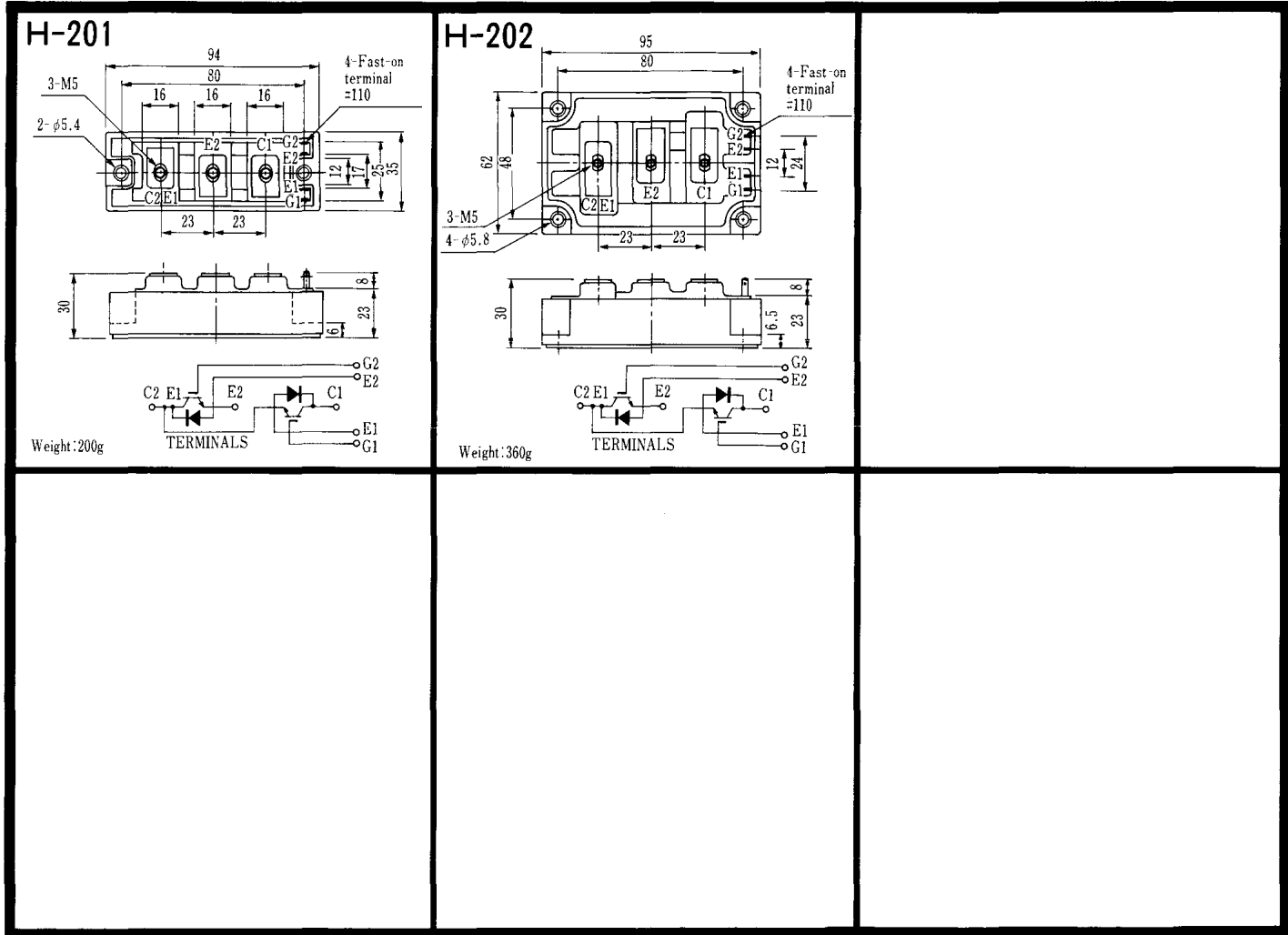
〈寸法図単位：mm〉

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



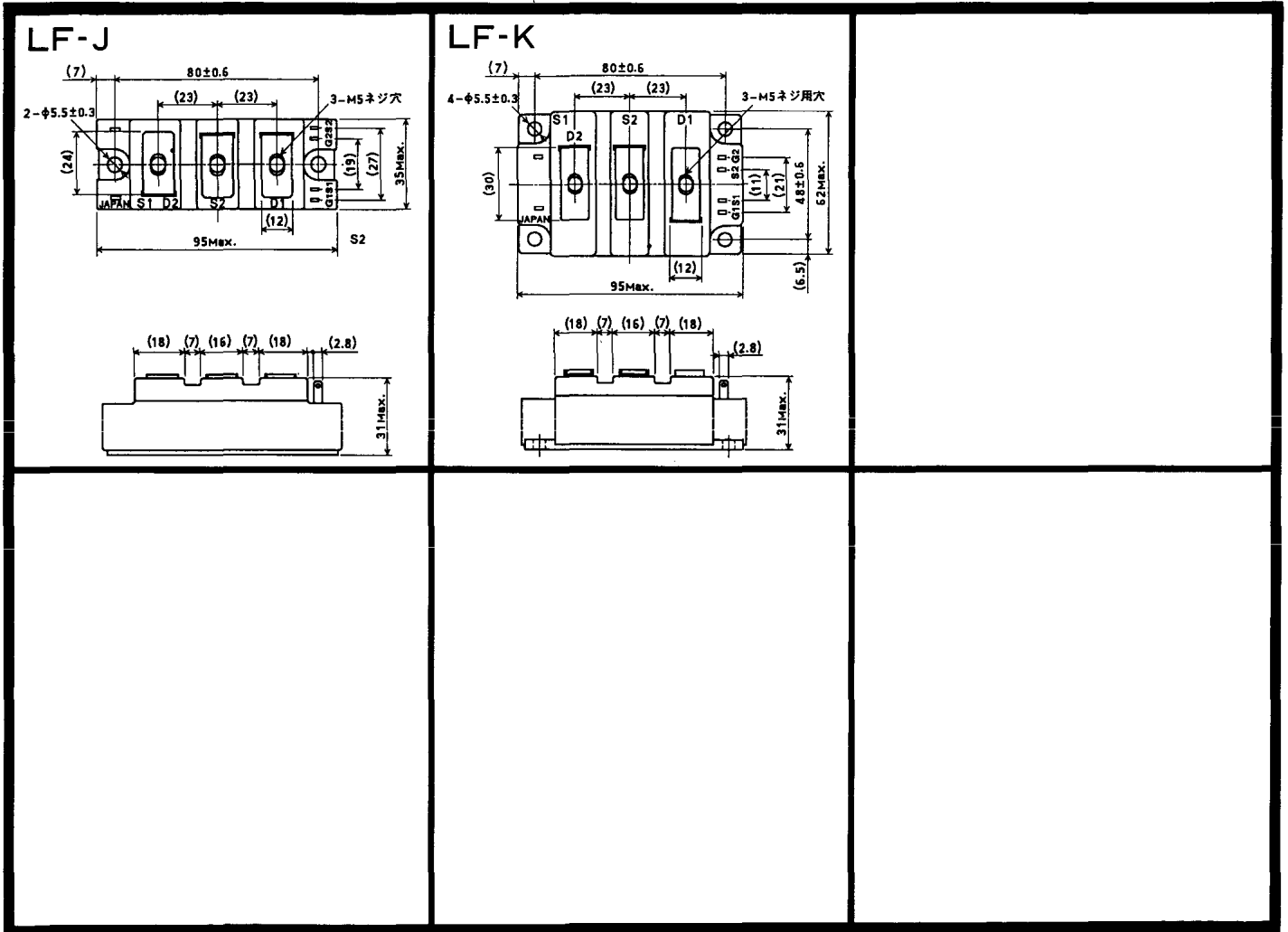
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《寸法图单位:mm》



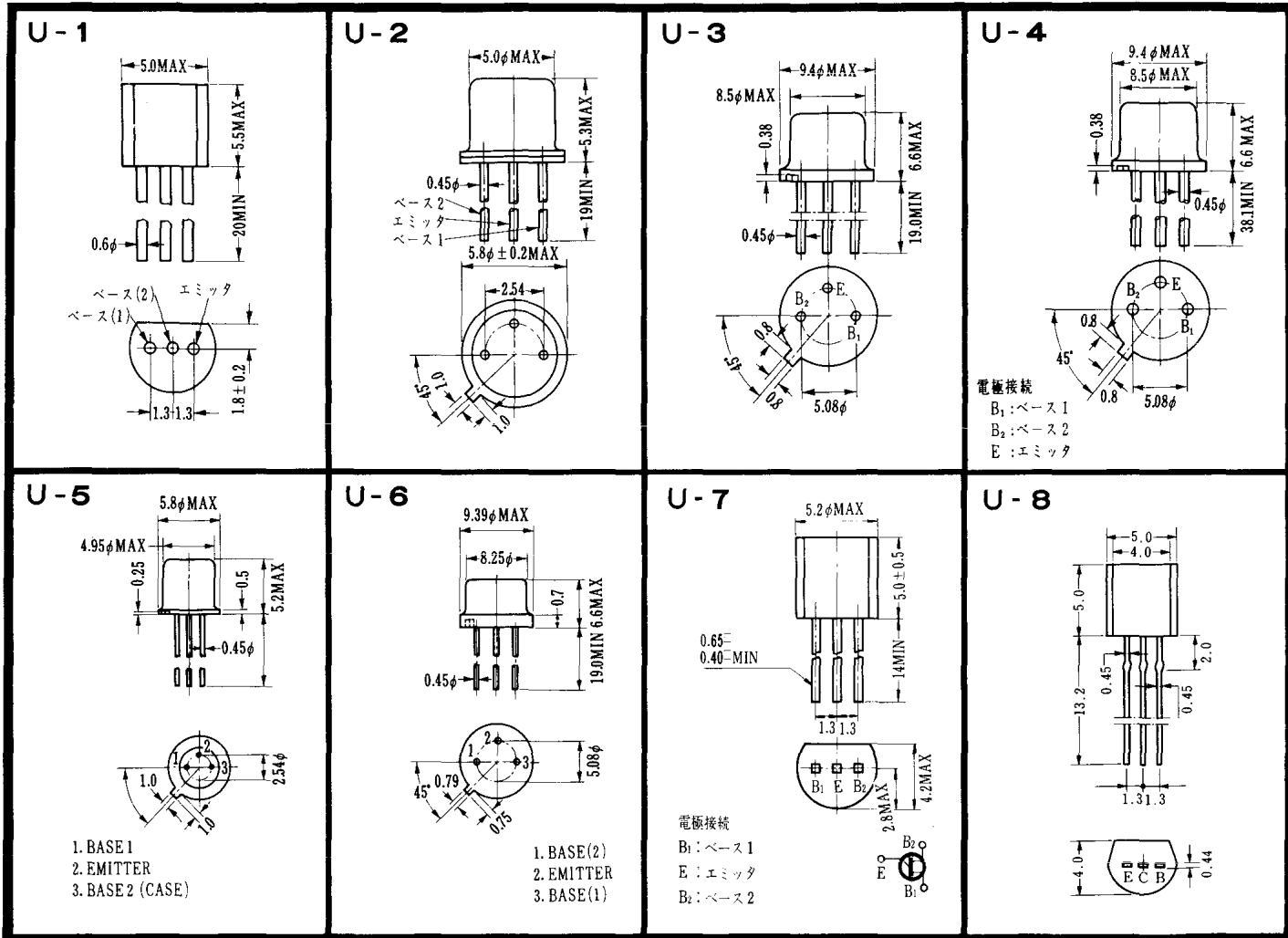
〈寸法図単位:mm〉

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〈寸法図単位：mm〉

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〈寸法図単位: mm〉

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