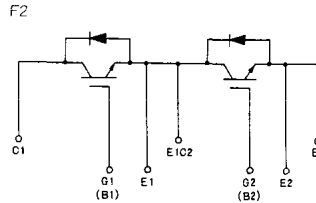


トランジスタ・モジュール (シリコンNチャネル IGBT)

- 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

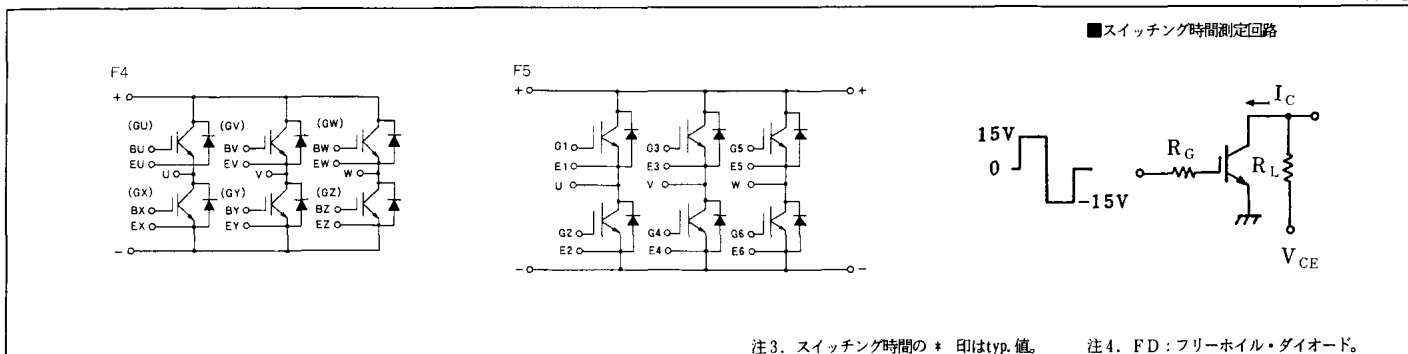
■等価回路



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

型名	最大定格										電気的特性 (T _j = 25°C)										
	V _{CE(S)}	V _{GE(S)}	I _C	I _{CP}	I _F	I _{FM}	P _C	T _J	T _{stg}	V _{iso}	I _{GES}	I _{CE(S)}	V _{CE(S)}	I _C	V _{GE(OFF)}	V _{CE(S+)}	I _C				
	(V)	(V)	(A)	(A)	(A)	(A)	(W)	(°C)	(°C)	(V)	(nA)	(mA)	(V)	(mA)	(V)	(V)	(A)				
2MBI25-120	1200	±20	25	50	25	50	250	150	-40~125	2500	±100	±20	1.0	1200	3	6	V _{GE}	25	5.0	15	25
2MBI50-120	1200	±20	50	100	50	100	400	150	-40~125	2500	±100	±20	1.0	1200	3	6	V _{GE}	50	5.0	15	50
2MBI100-120	1200	±20	100	200	100	200	800	150	-40~125	2500	±100	±20	1.0	1200	3	6	V _{GE}	100	5.0	15	100
6MBI30-060	600	±20	30	60	30	60	120	150	-40~125	2500	±100	±20	1.0	600	3	6	V _{GE}	30	5.0	10	30
6MBI50-120	1200	±20	50	100	50	100	400	150	-40~125	2500	±100	±20	1.0	1200	3	6	V _{GE}	50	5.0	15	50
6MBI75-060	600	±20	75	150	75	150	300	150	-40~125	2500	±100	±20	1.0	600	3	6	V _{GE}	15	5.0	15	15
6MBI100-060	600	±20	100	200	100	200	400	150	-40~125	2500	±100	±20	1.0	600	3	6	V _{GE}	100	5.0	15	100

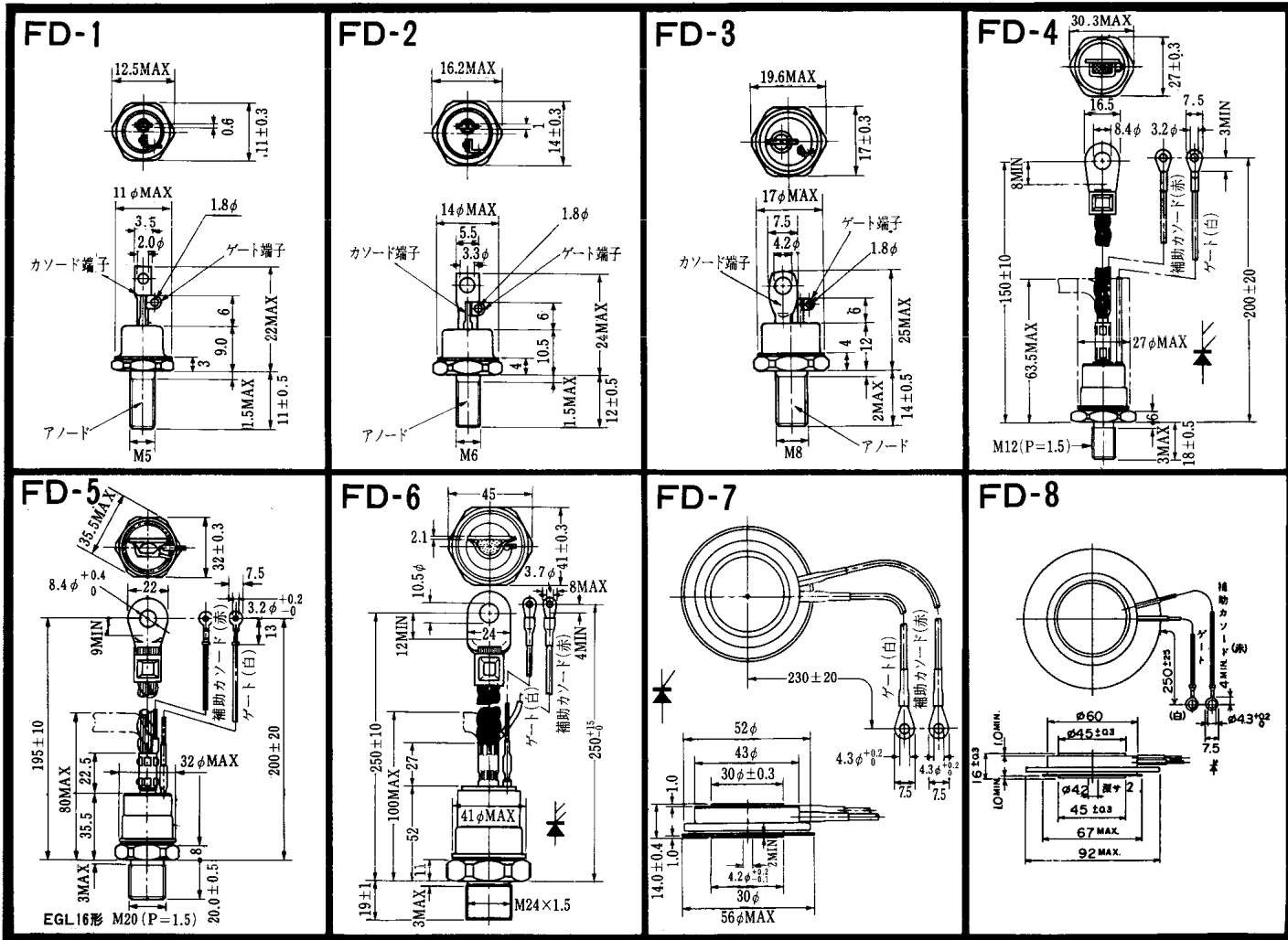
<http://store.iic.cc/>



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 _{1..} (pF)	V _{CE} (V)	V _{CE} (V)	スイッチング時間 (μs)				R _G (Ω)	I _C (A)	V _{CE} (V)	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		
			t _r	t _{on}	t _f	t _{off}				V _F	t _{rr}	I _F	V _{on}	di/dt	R _{th(j-c)} (°C/W)							
			最大	最大	最大	最大				最大	最大	最大	最大	最大	最大	最大						
標準	10	0	1.0	1.2	1.0	1.5	50	25	300	2.5	25	0.2	25	-10	100	0.5	1.2	F 2	M 2 1 1	FD付, 2個内蔵	2MB125-120	
	7000	10	0	1.0	1.2	1.0	1.5	25	50	300	2.5	50	0.2	50	-10	100	0.312	1.2	F 2	M 2 1 1	FD付, 2個内蔵	2MB150-120
	14000	10	0	1.0	1.2	1.0	1.5	12	100	600	2.5	100	0.2	100	-10	100	0.156	0.6	F 2	M 2 1 3	FD付, 2個内蔵	2MB1100-120
	1800	10	0	1.0	1.2	1.0	1.5	82	30	300	2.5	30	0.16	30	-10	100	1.04	2.01	F 4	M 6 0 7	FD付, 6個内蔵	6MB130-060
	7000	10	0	1.0	1.2	1.0	1.5	25	50	600	2.5	50	0.2	50	-10	100	0.312	0.2	F 5	M 6 0 8	FD付, 6個内蔵	6MB150-120
	4500	10	0	0.8	1.0	1.0	1.5	33	75	300	2.5	75	0.16	75	-10	150	0.385	0.85	F 5	M 6 0 8	FD付, 6個内蔵	6MB175-060
	6000	10	0	0.8	1.0	1.0	1.5	25	100	300	2.5	100	0.16	100	-10	200	0.312	0.6	F 5	M 6 0 8	FD付, 6個内蔵	6MB1100-060

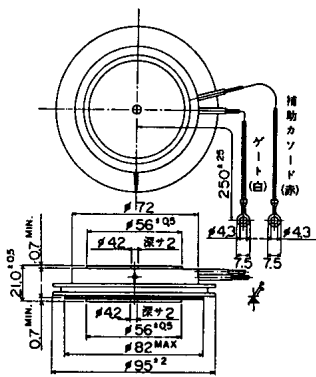
<http://store.iic.cc/>



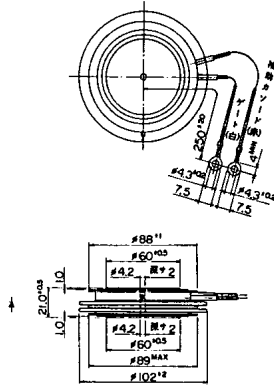
<http://store.iicc/>

〈寸法図単位:mm〉

FD-9

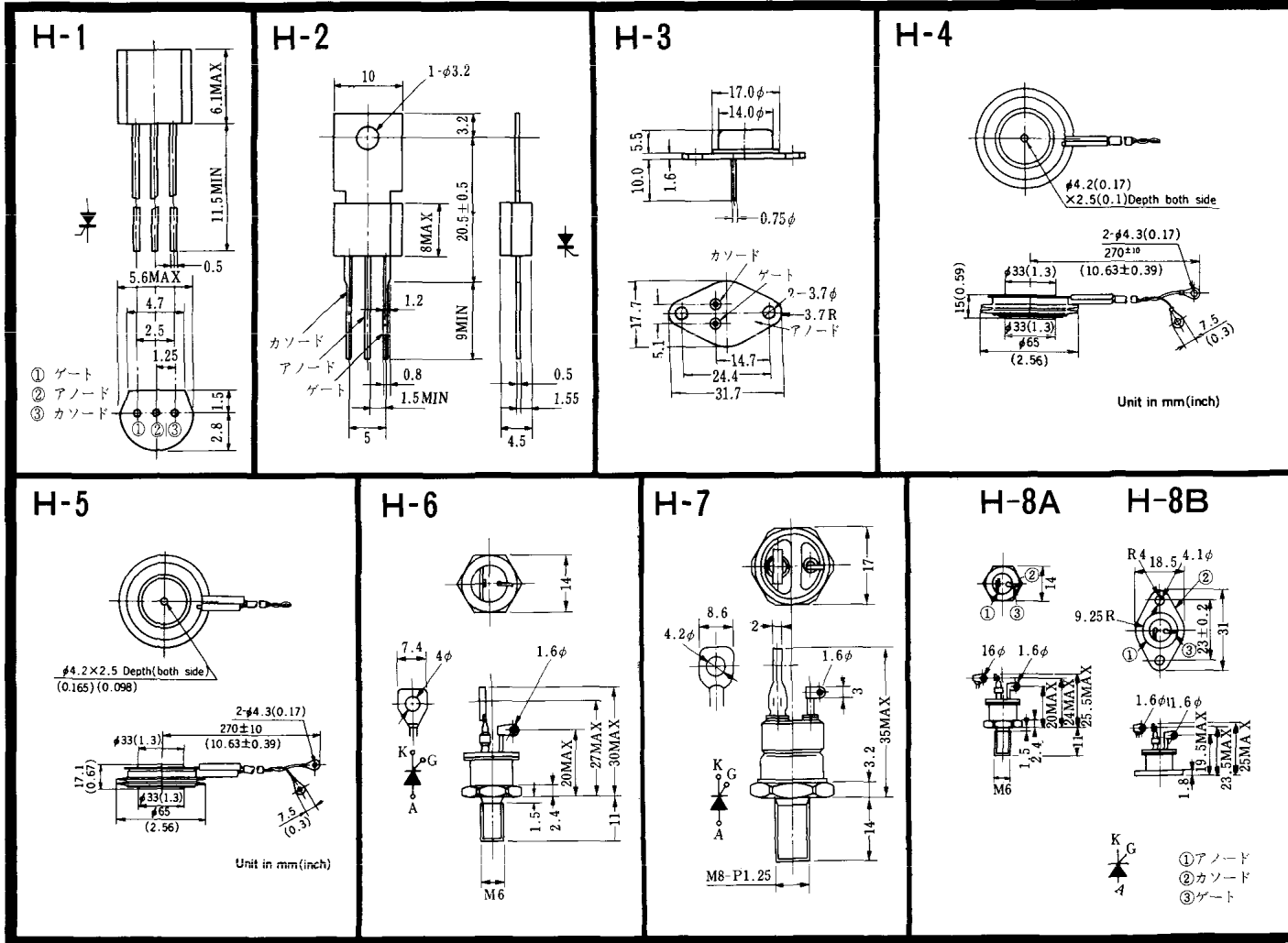


FD-10

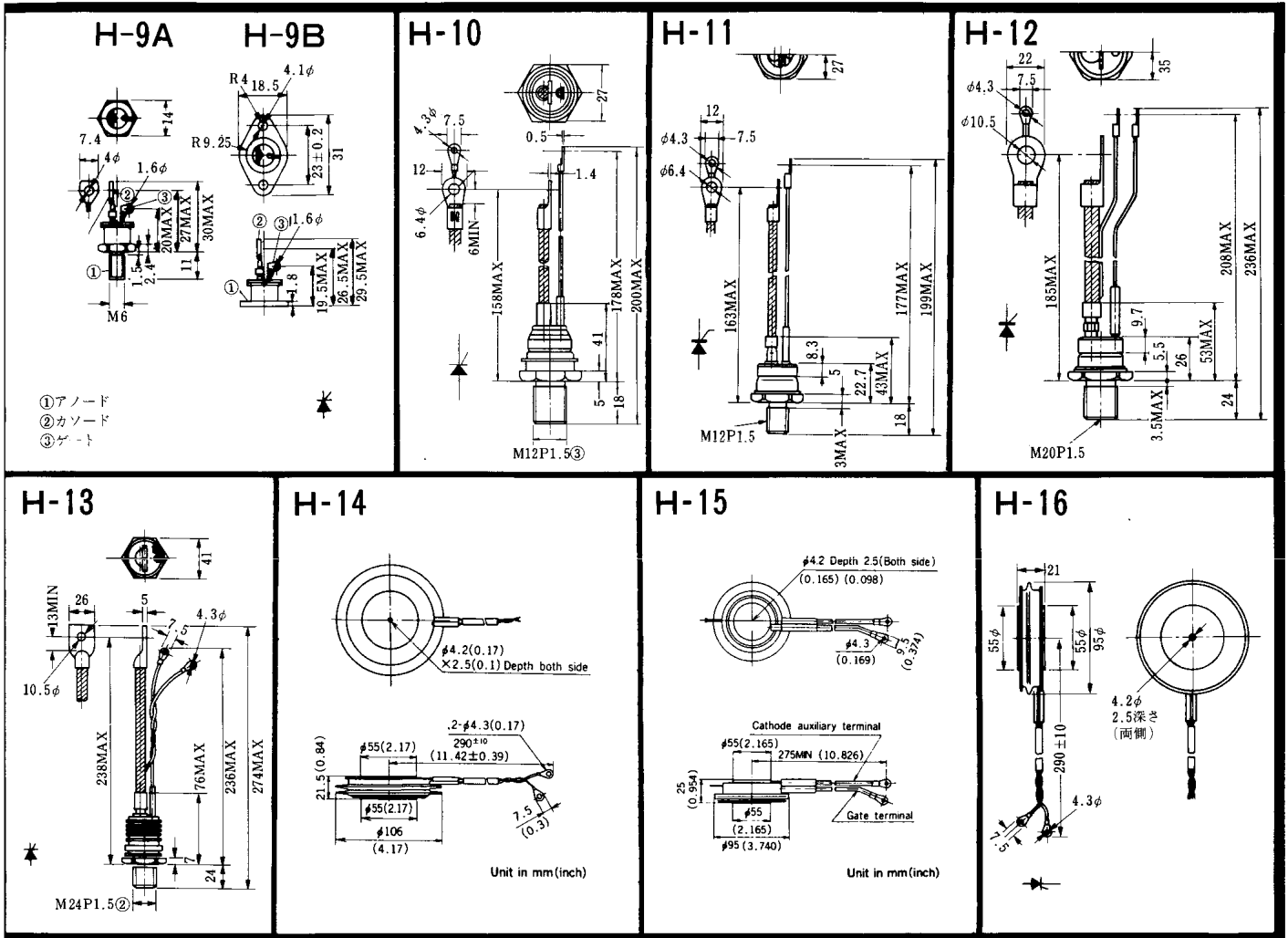


FD-11

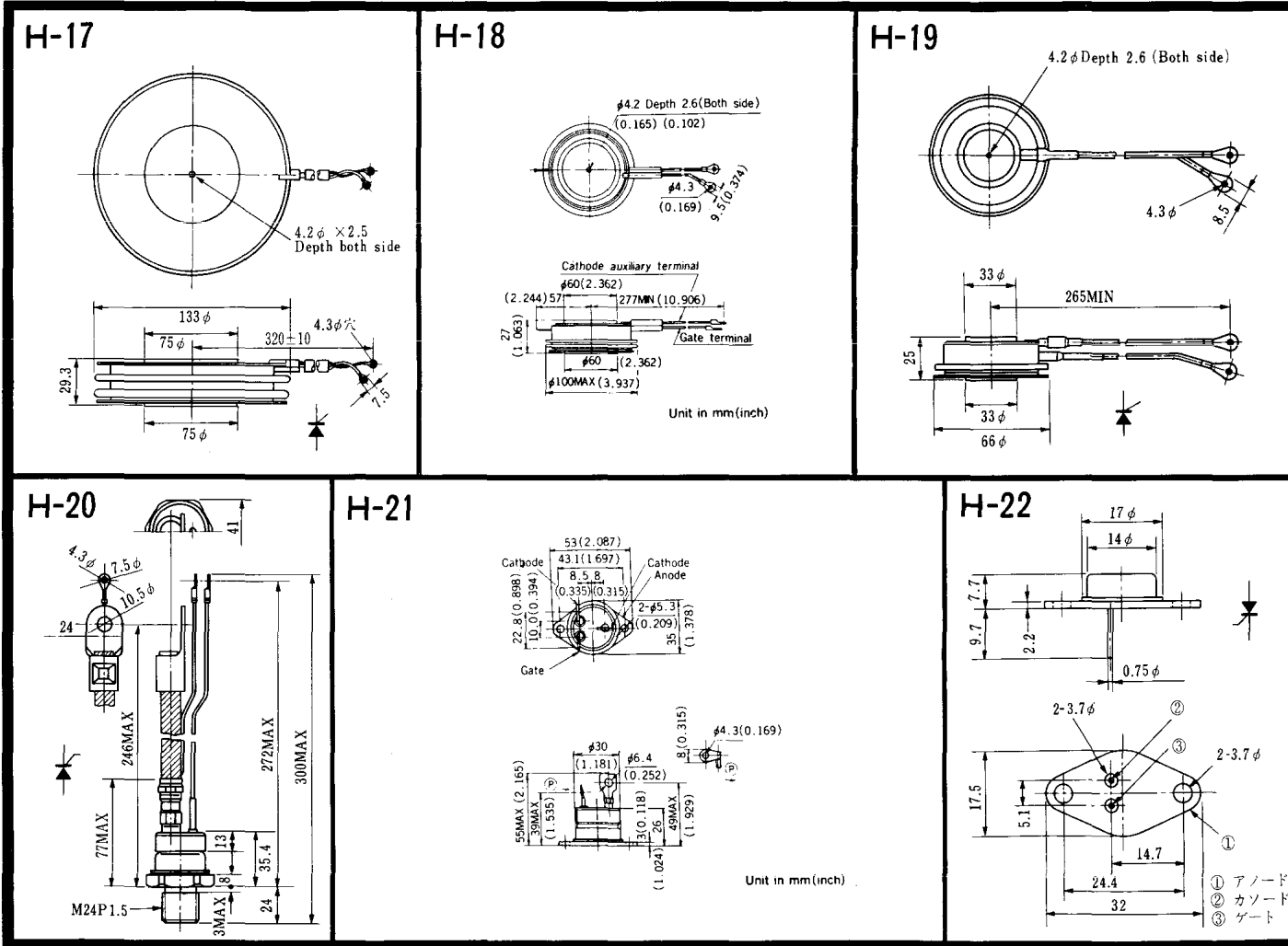
FD-12



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

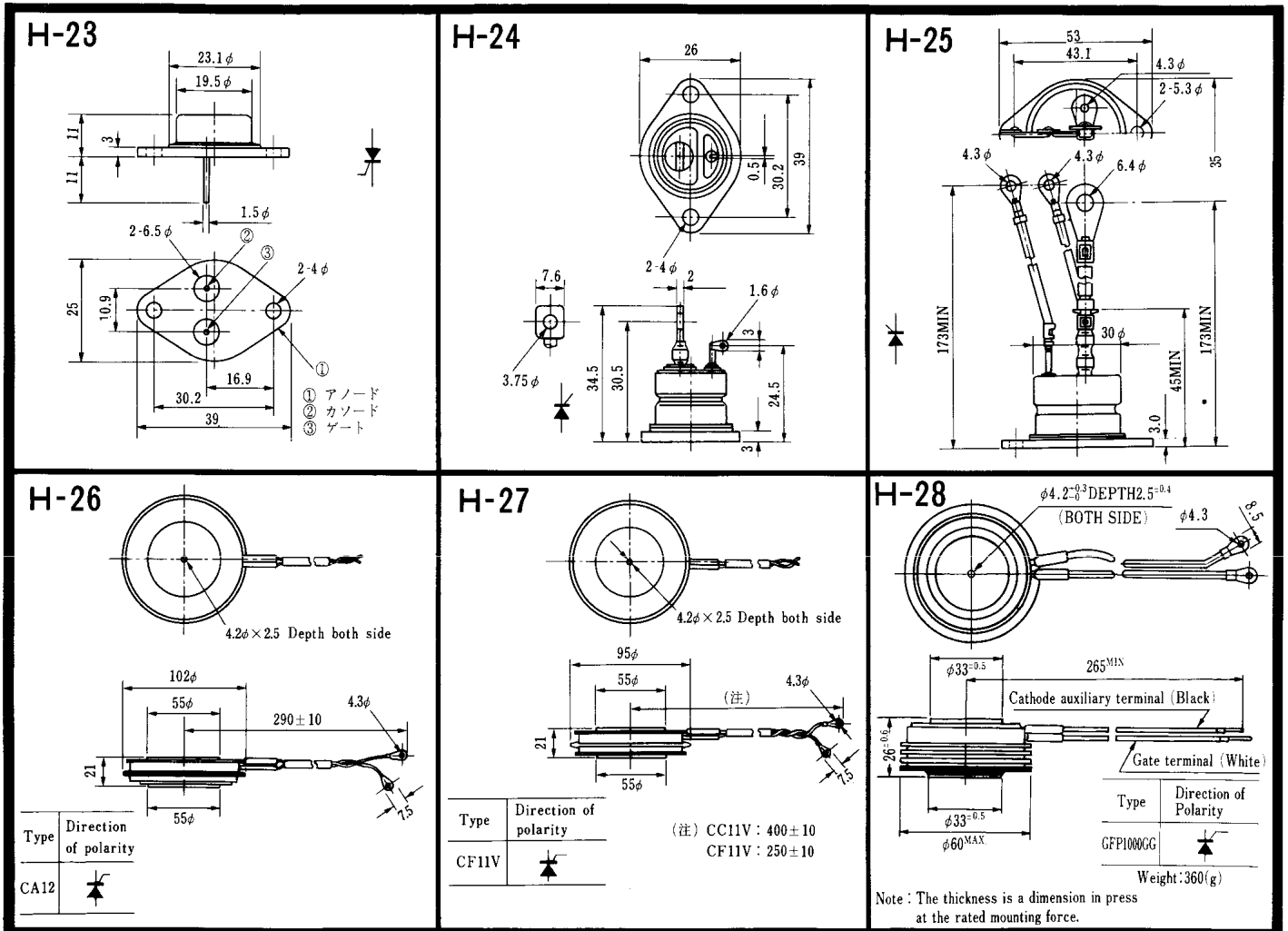


<http://store.iic.cc/>



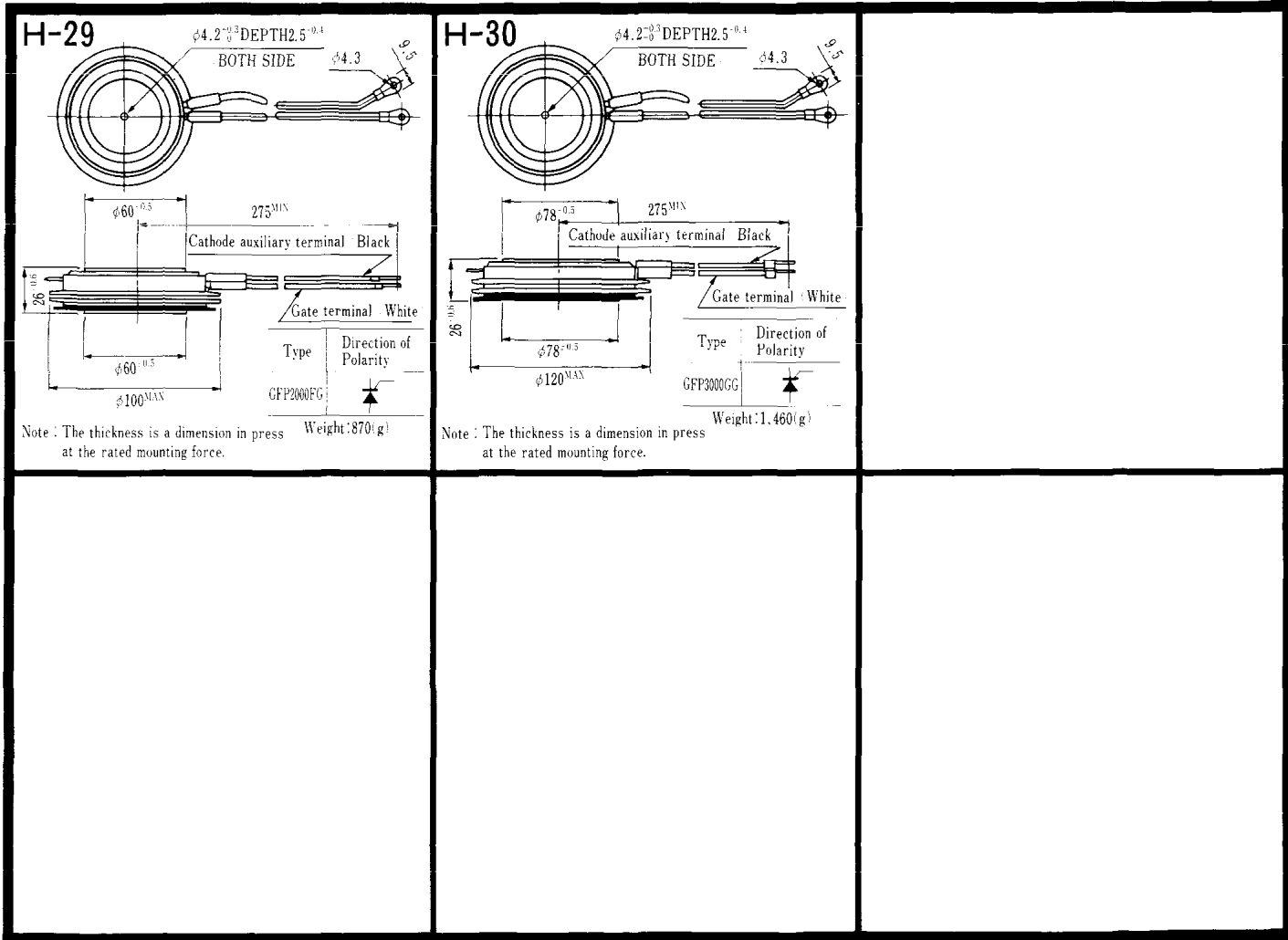
《寸法図単位：mm

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



《寸法図単位：mm》

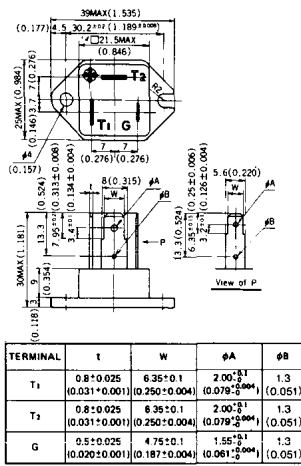
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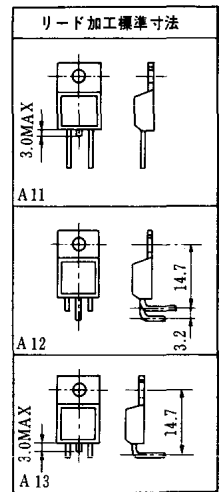
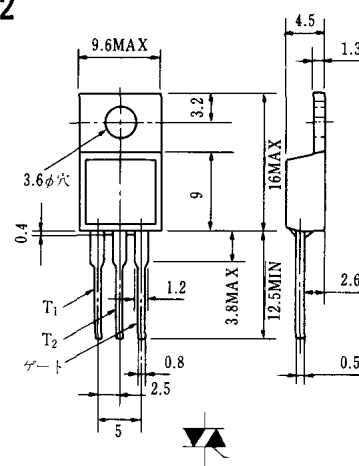
<http://store.iic.cc/>

HT-1

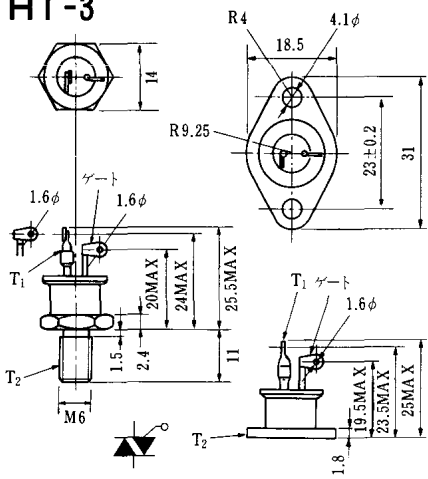


Unit in mm (inch)

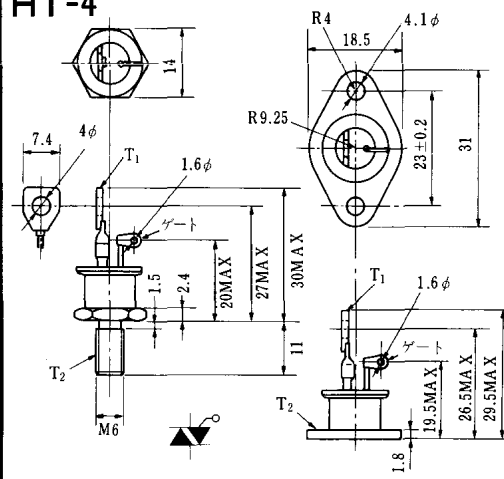
HT-2



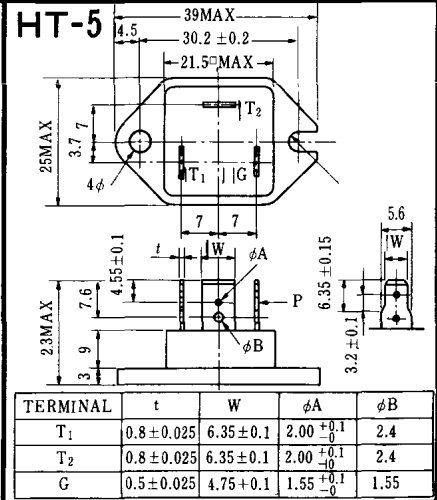
HT-3



HT-4

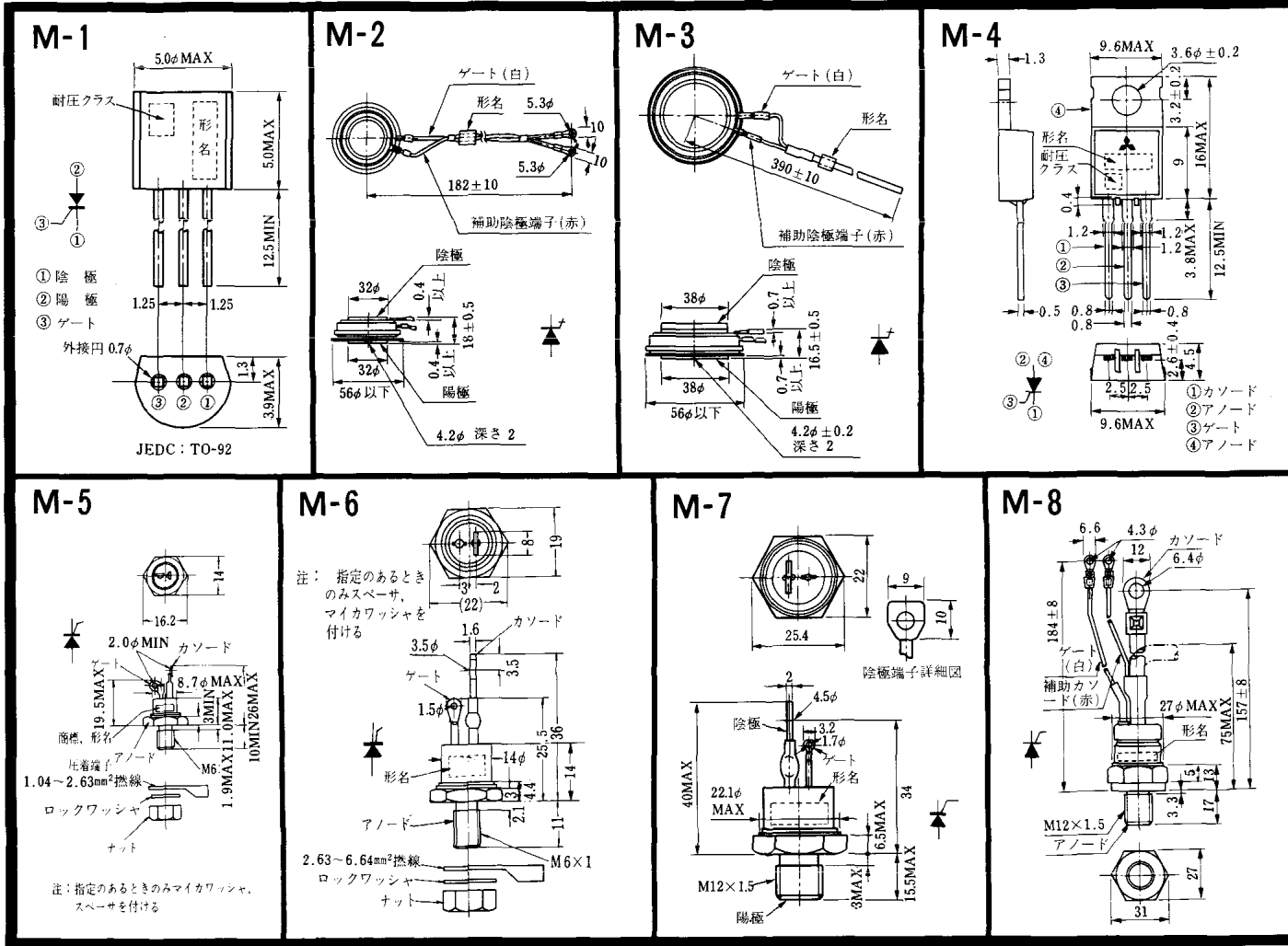


HT-5



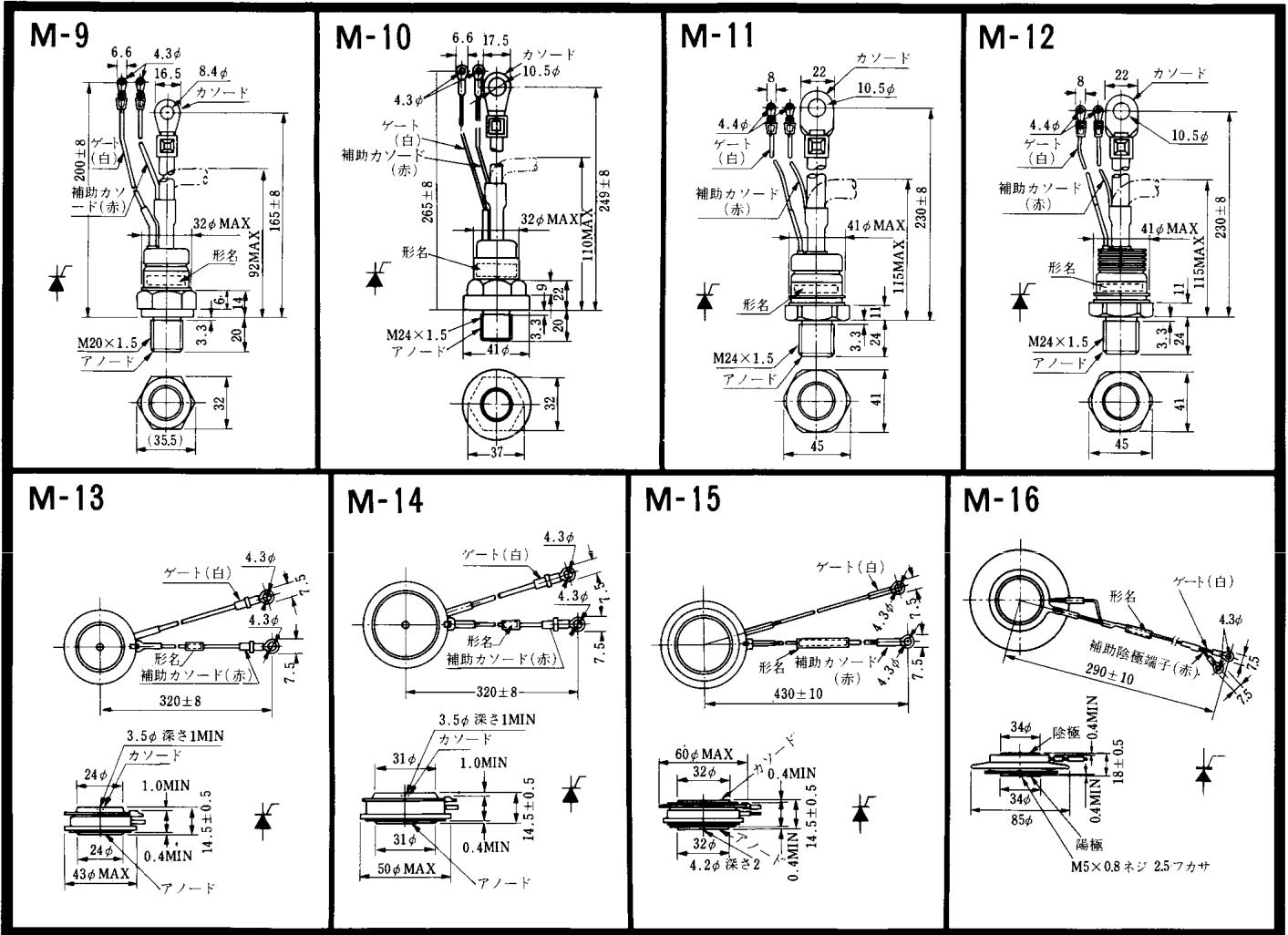
《寸法図単位：mm》

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



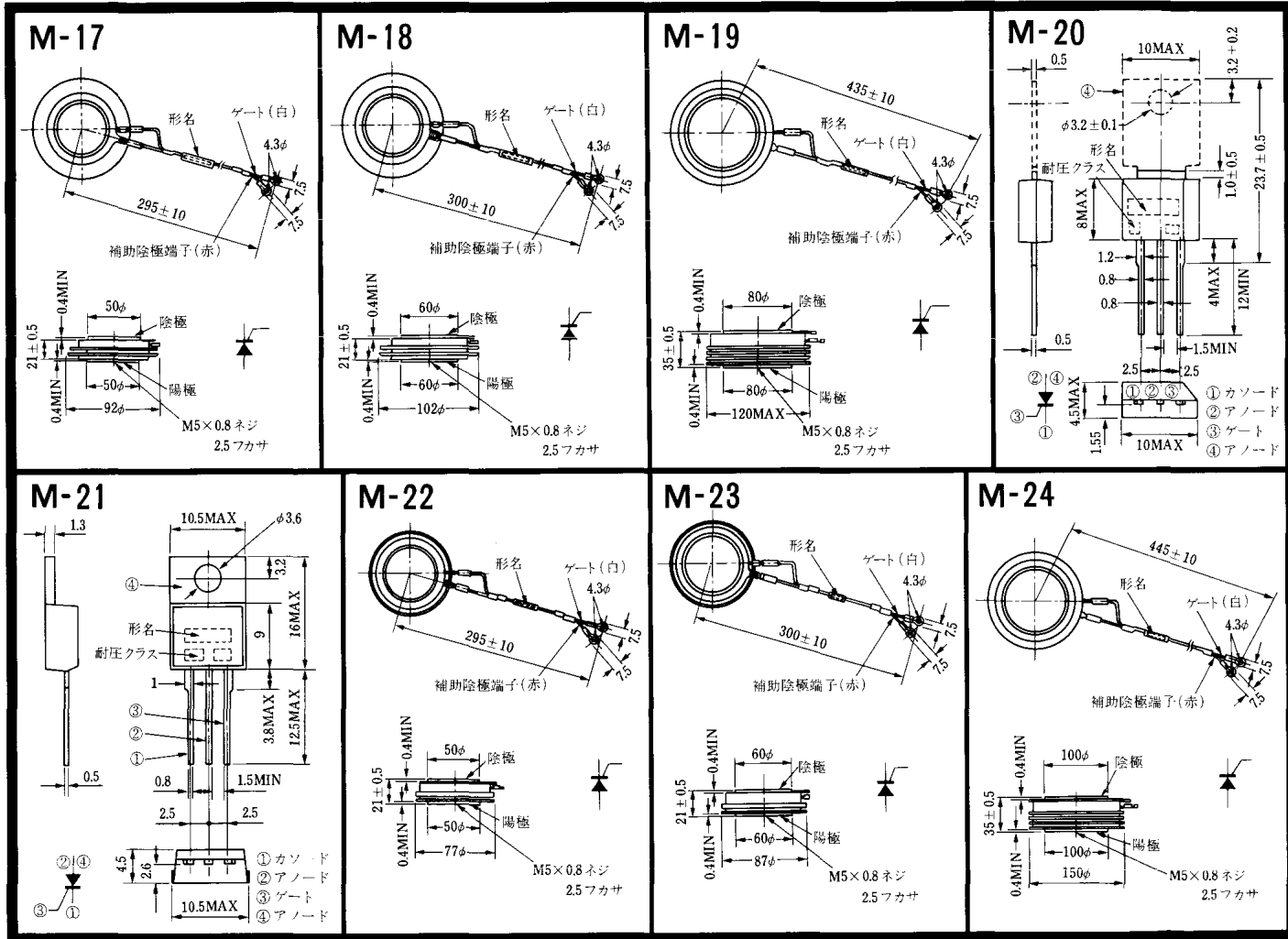
《寸法図単位: mm》

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



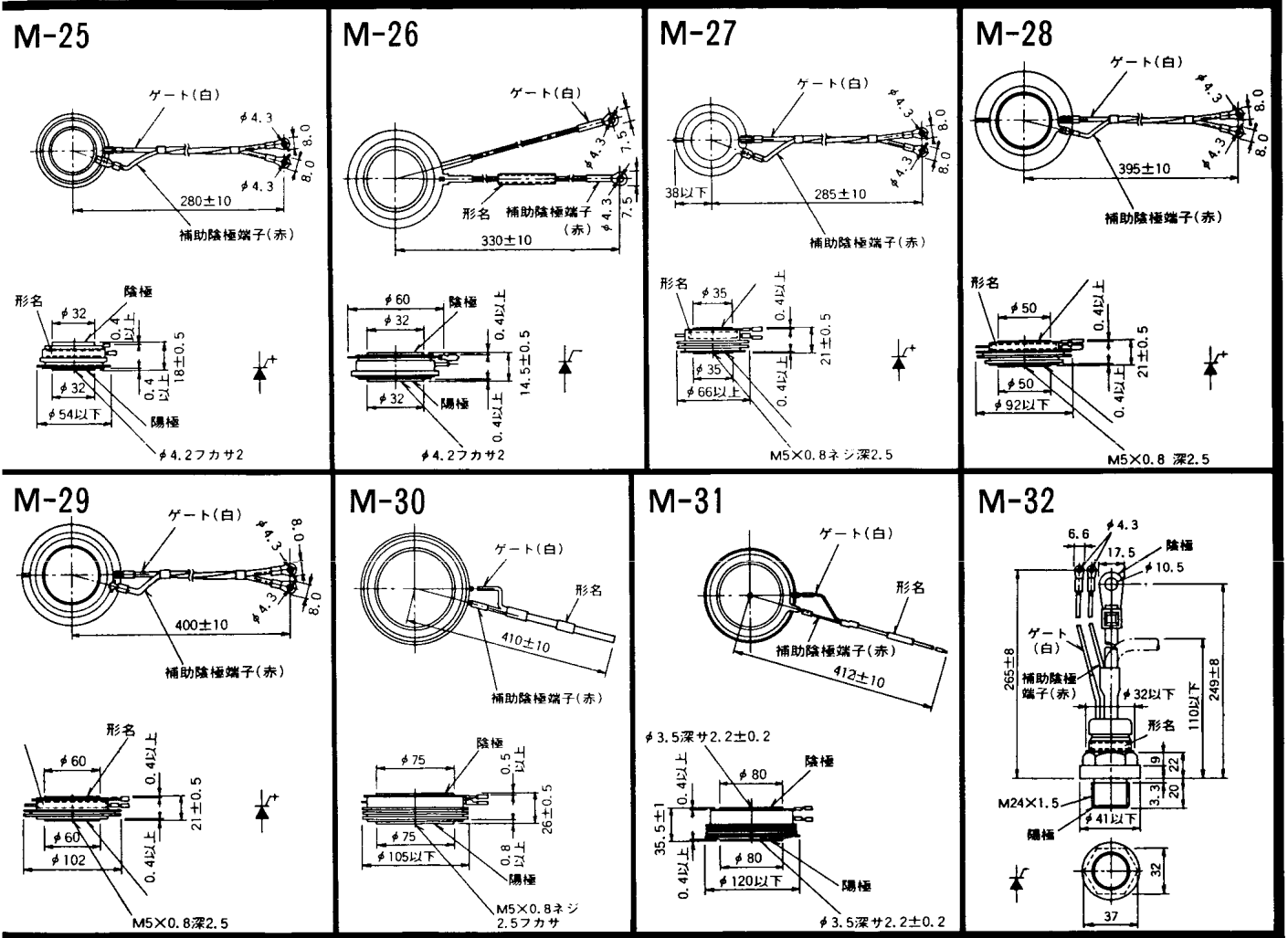
〈寸法図単位：mm〉

<http://store.iicc/>



《寸法図単位：mm》

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

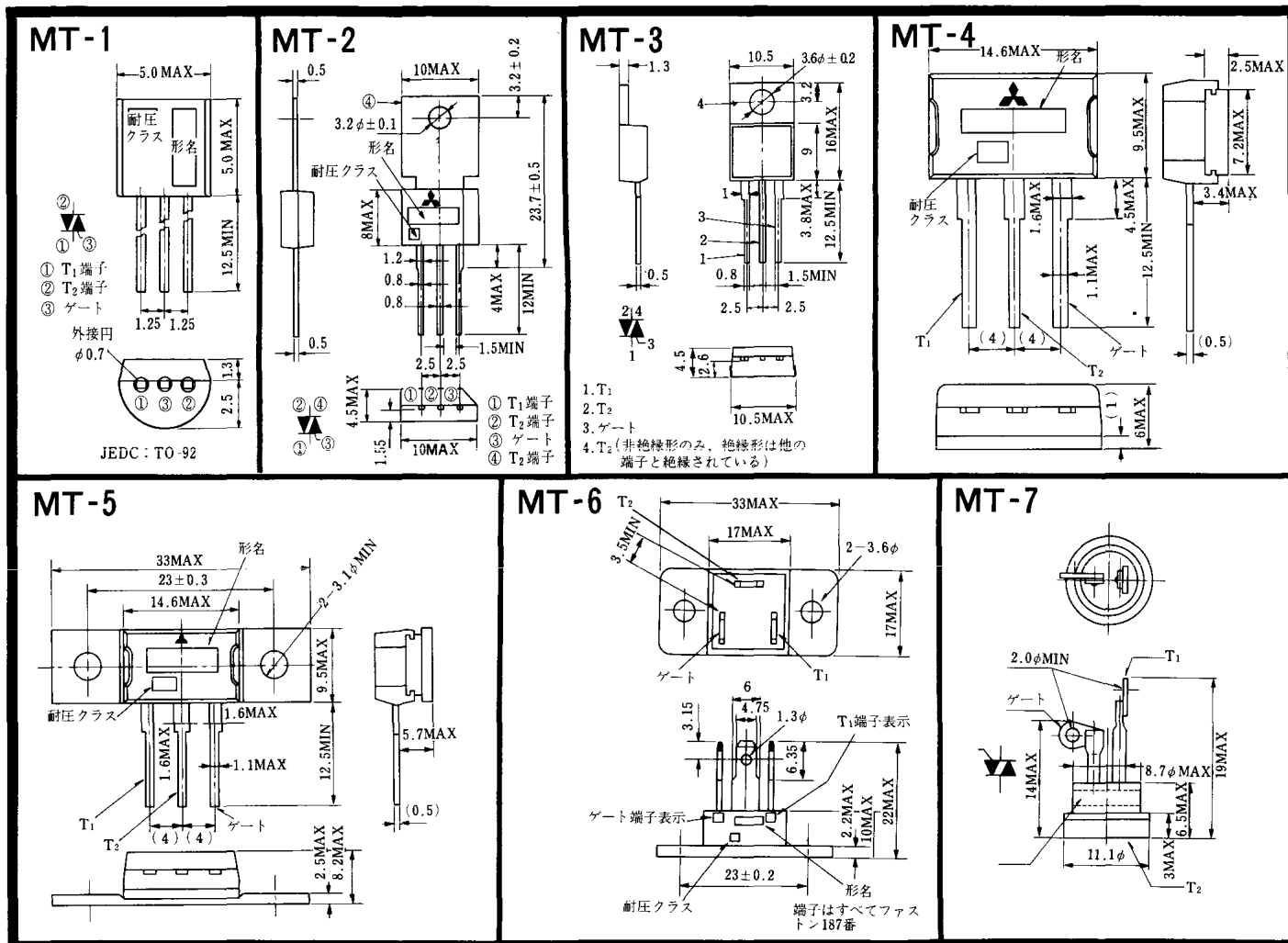


《寸法図単位：mm》

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

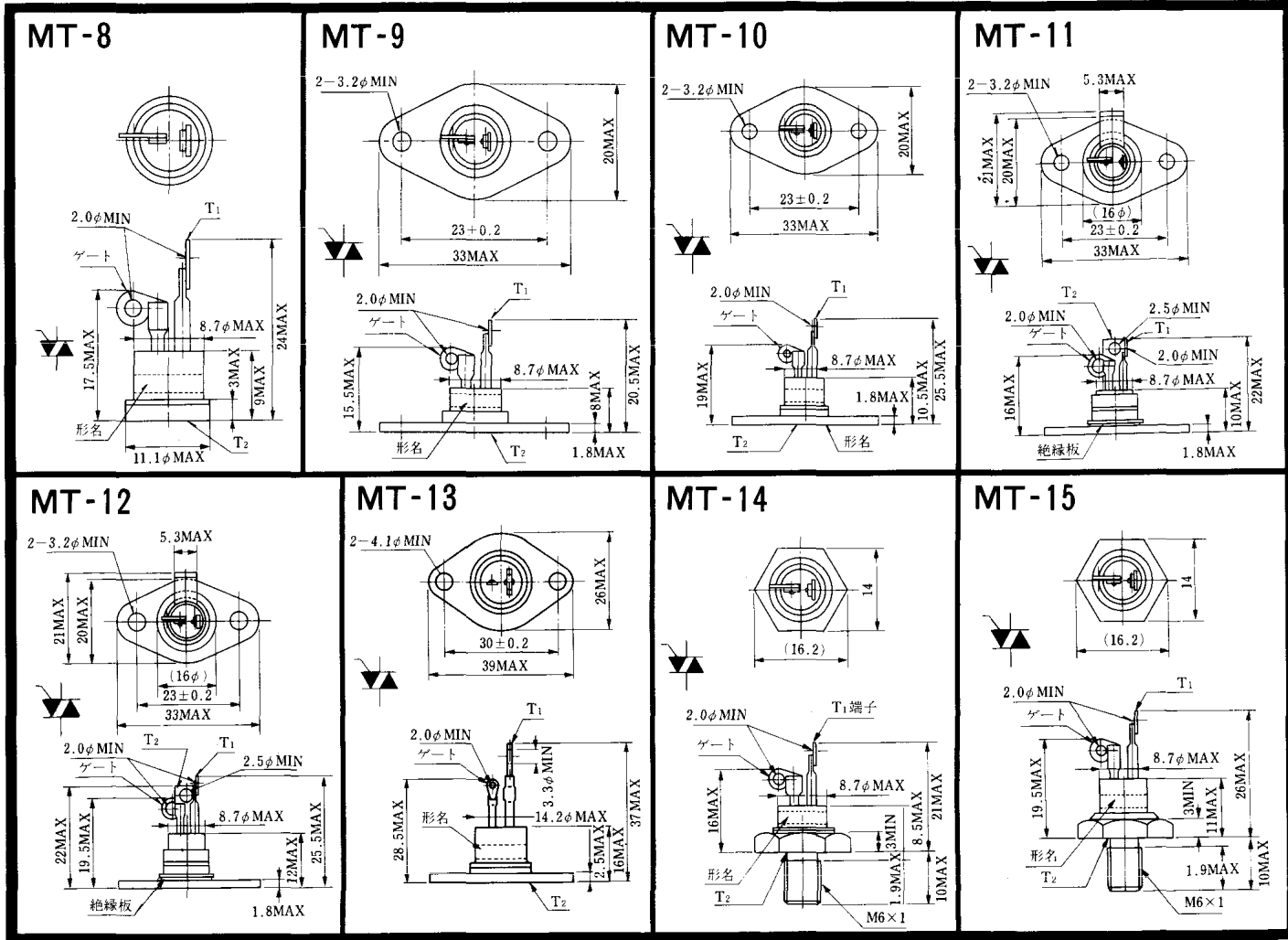
<p>M-33</p>	<p>M-34</p> <p>TO-202</p>		

〈寸法図単位:mm〉



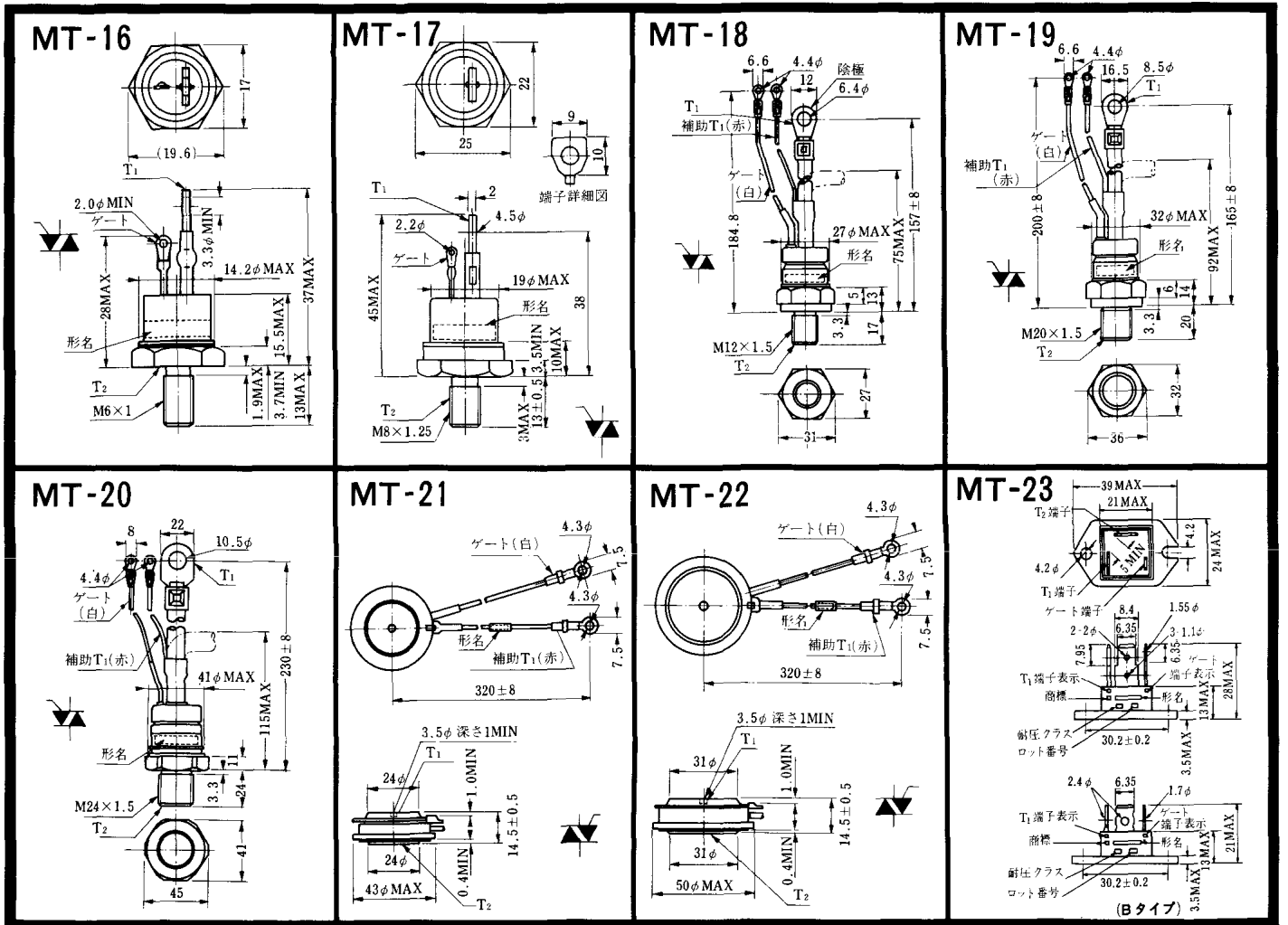
《寸法図単位：mm》

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



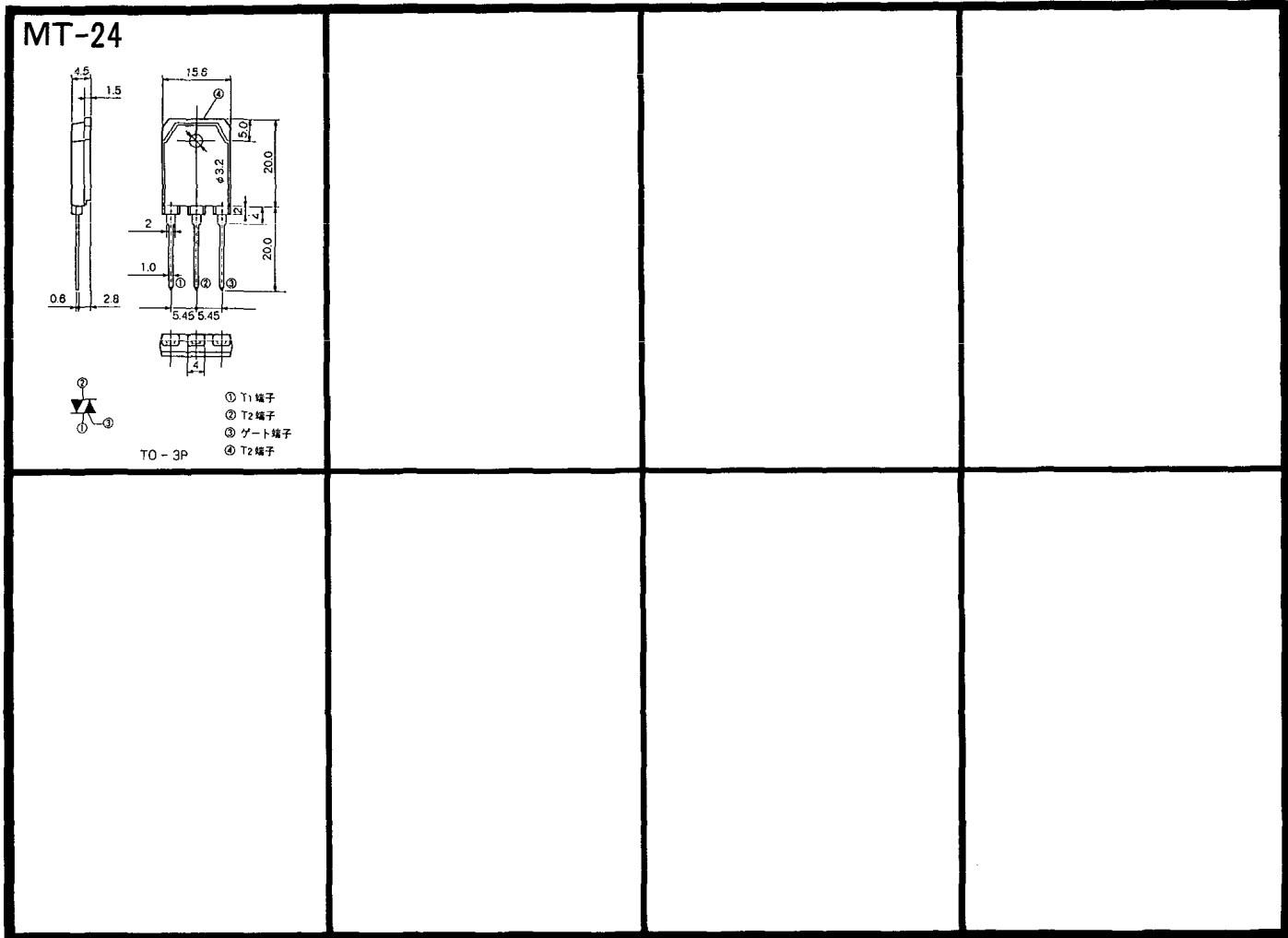
《寸法図単位：mm》

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



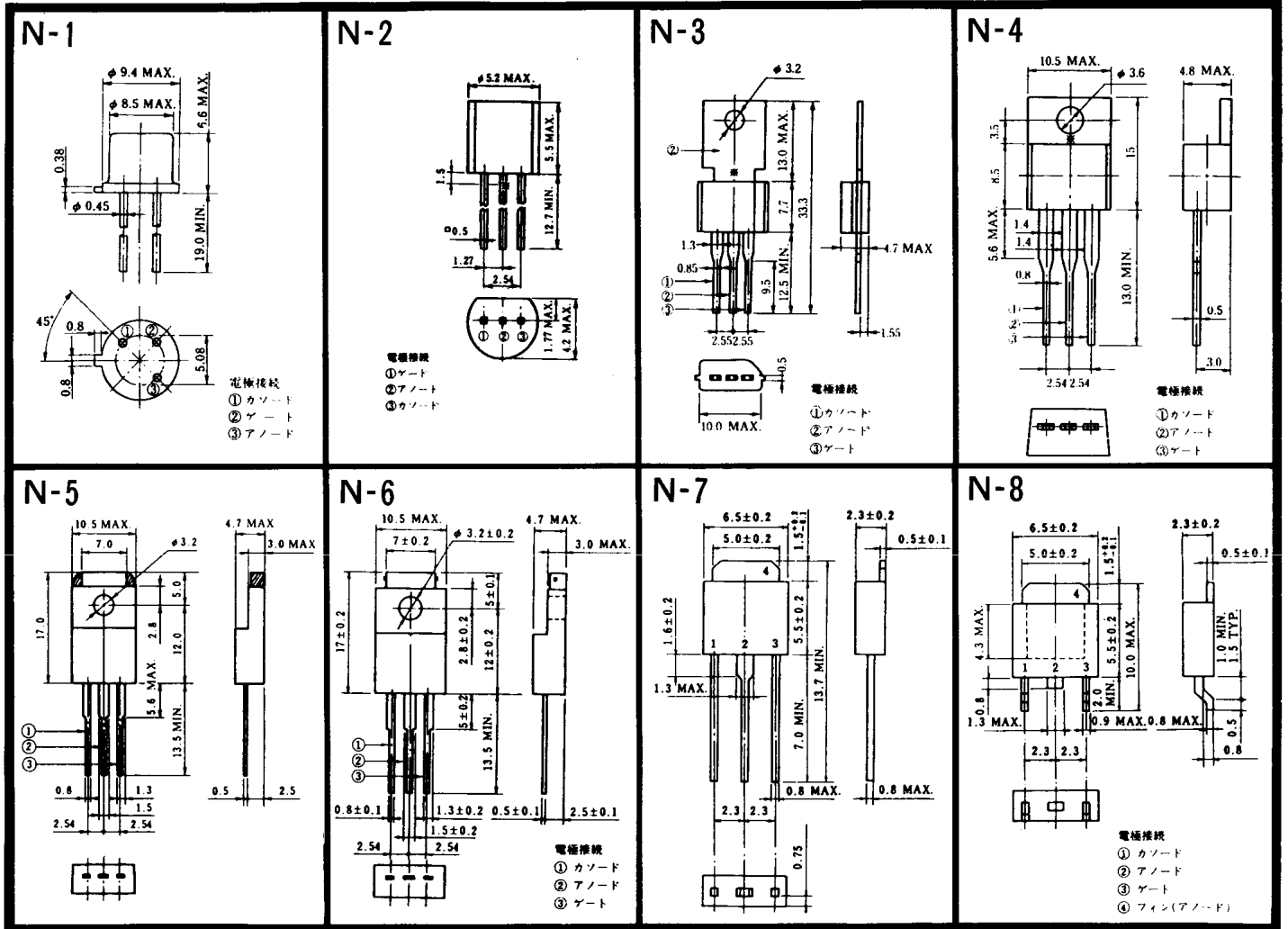
〈寸法図単位：mm〉

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



〈寸法図単位:mm〉

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



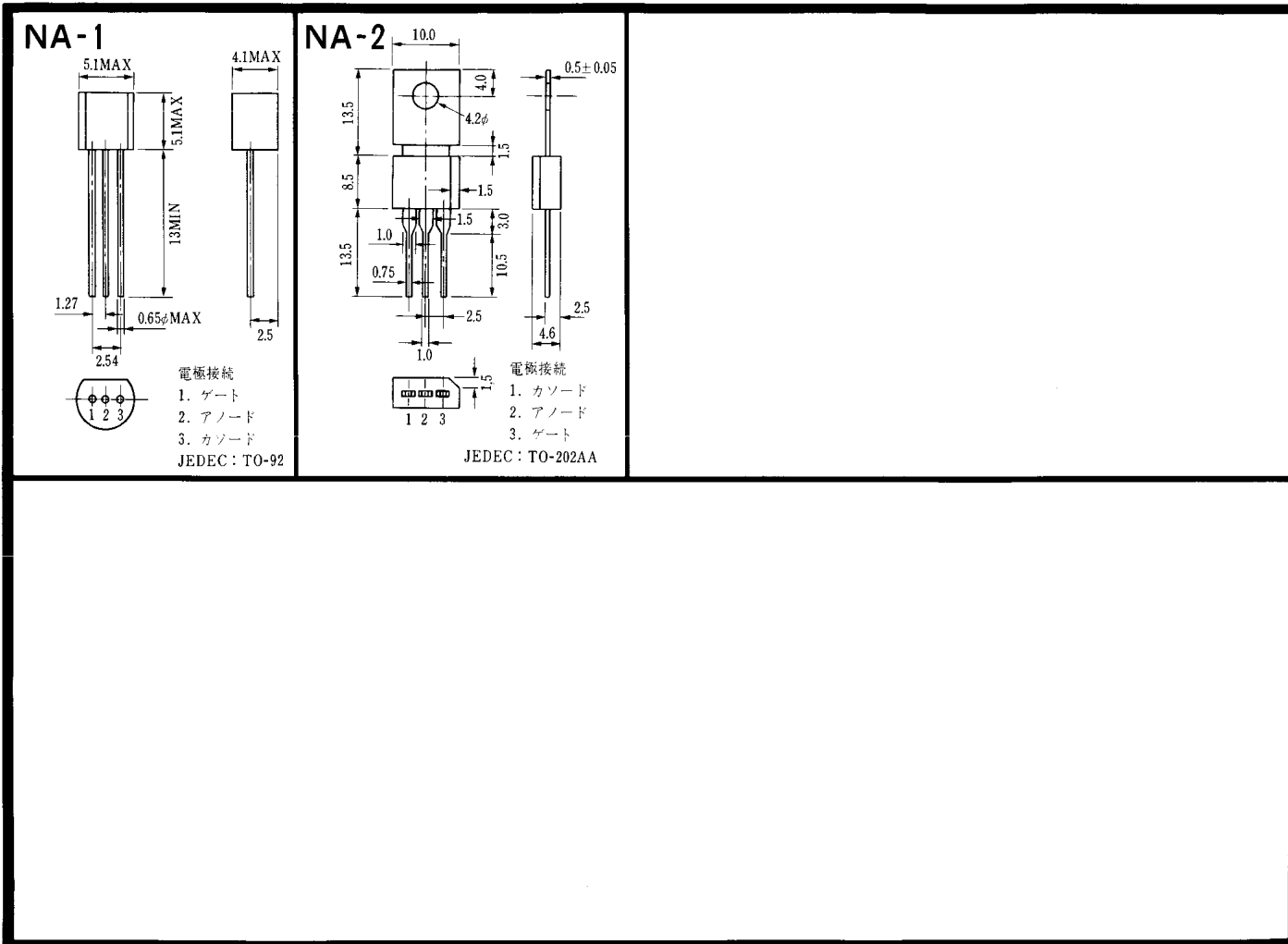
〈寸法図単位:mm〉

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

<p>N-9</p> <p>0.8 MIN.</p> <p>4.5±0.1 1.6±0.2 2.5±0.1 4.0±0.25 0.42±0.06 1.5 3.0 0.47±0.06</p> <p>1.5±0.1 0.41±0.02</p> <p>電極標記 K:カソード A:アノード G:ゲート</p>			

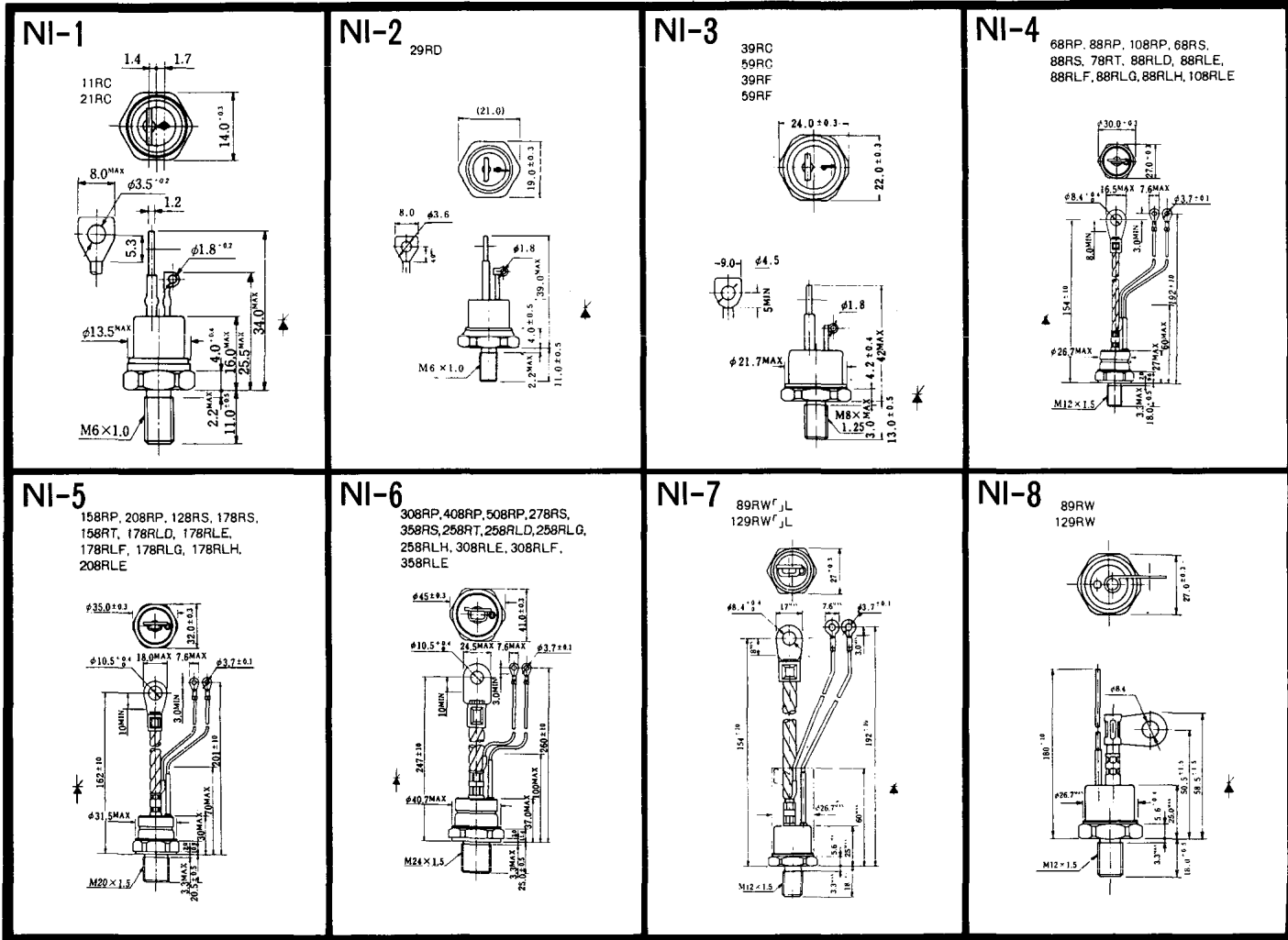
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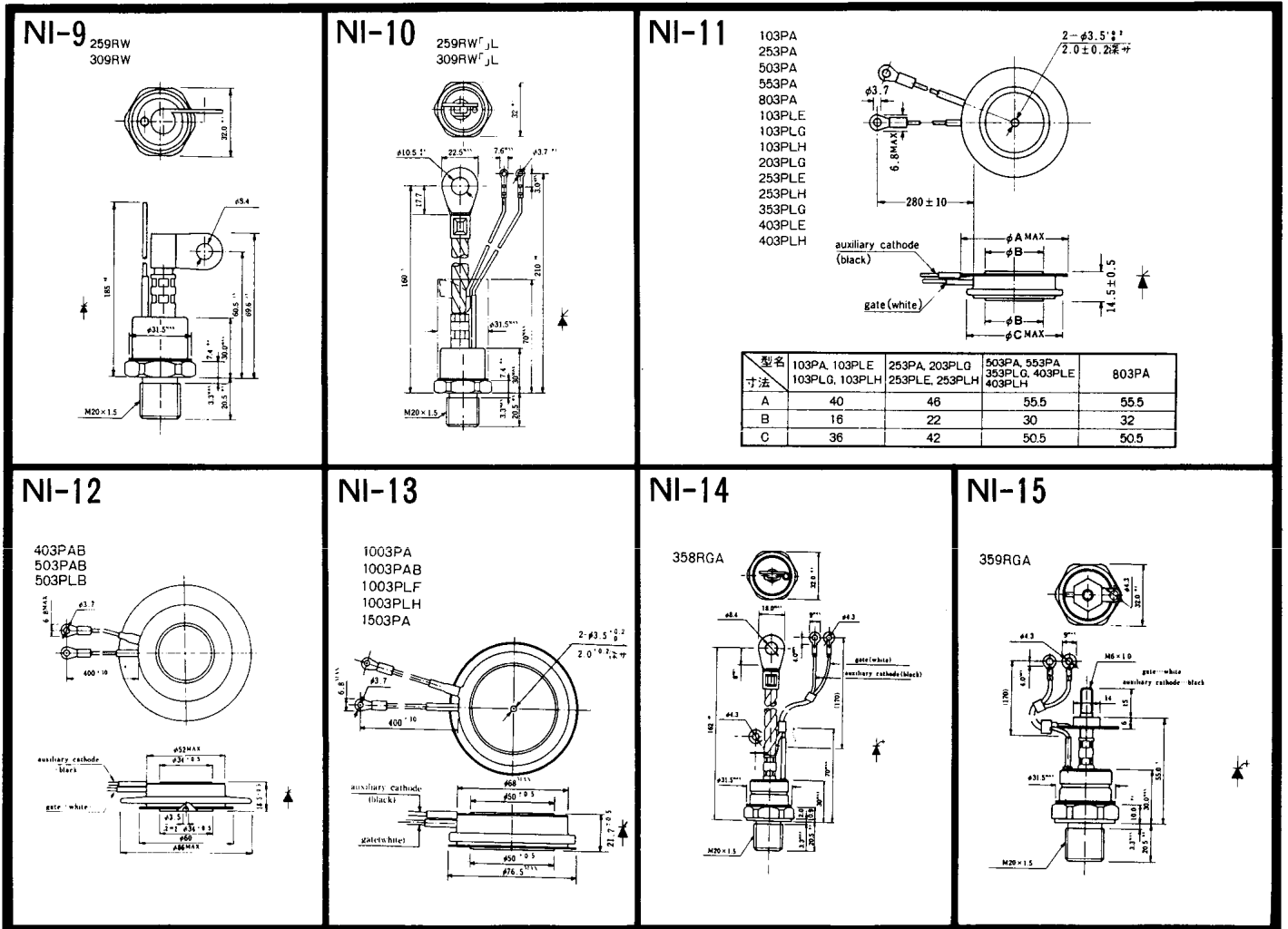
《寸法図単位：mm》

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



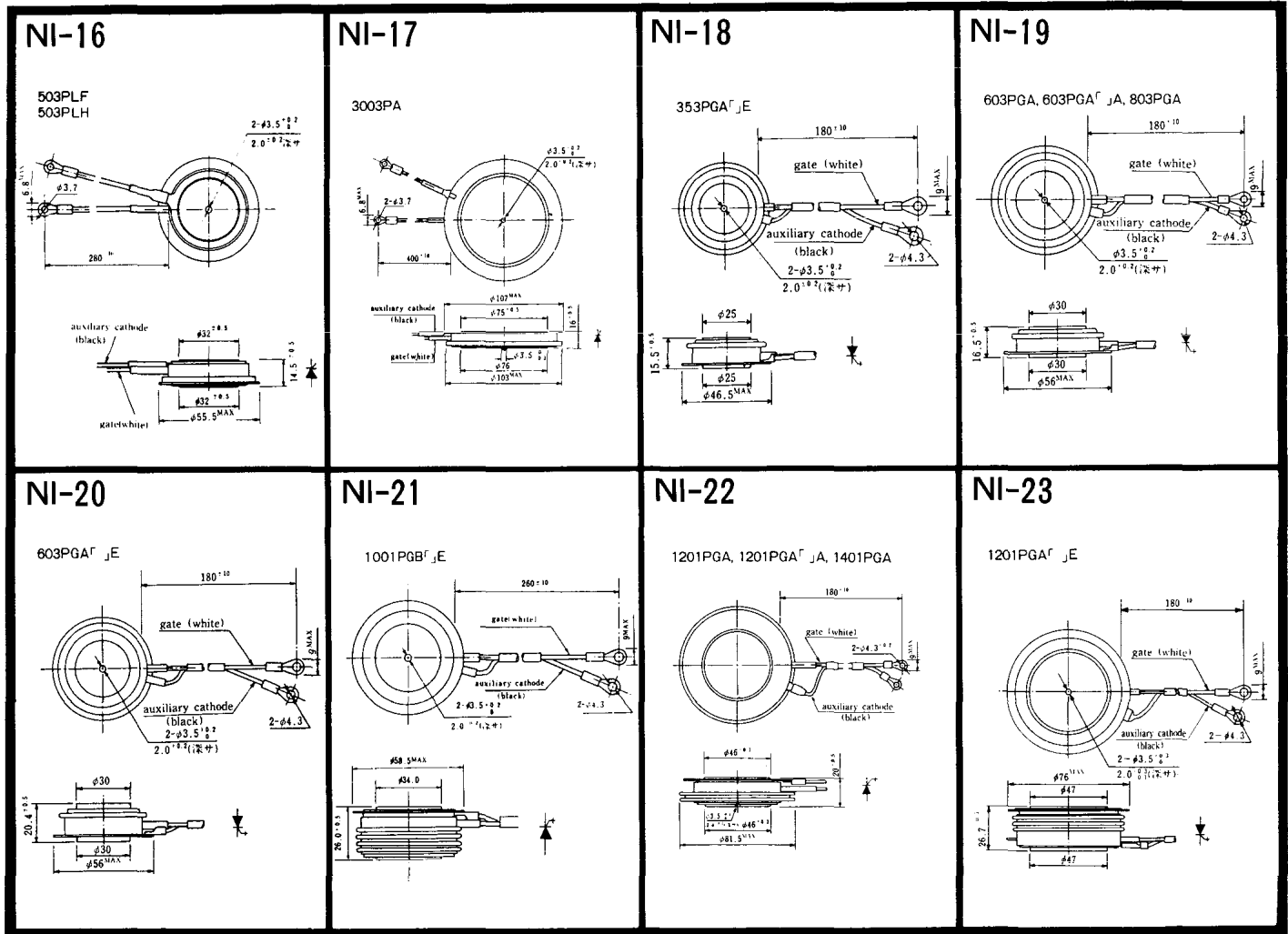
〈寸法図単位:mm〉

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



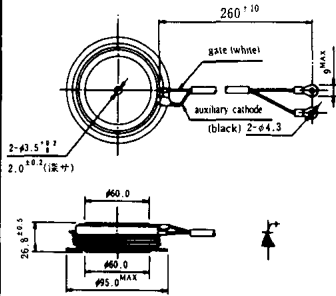
《寸法図単位:mm》

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



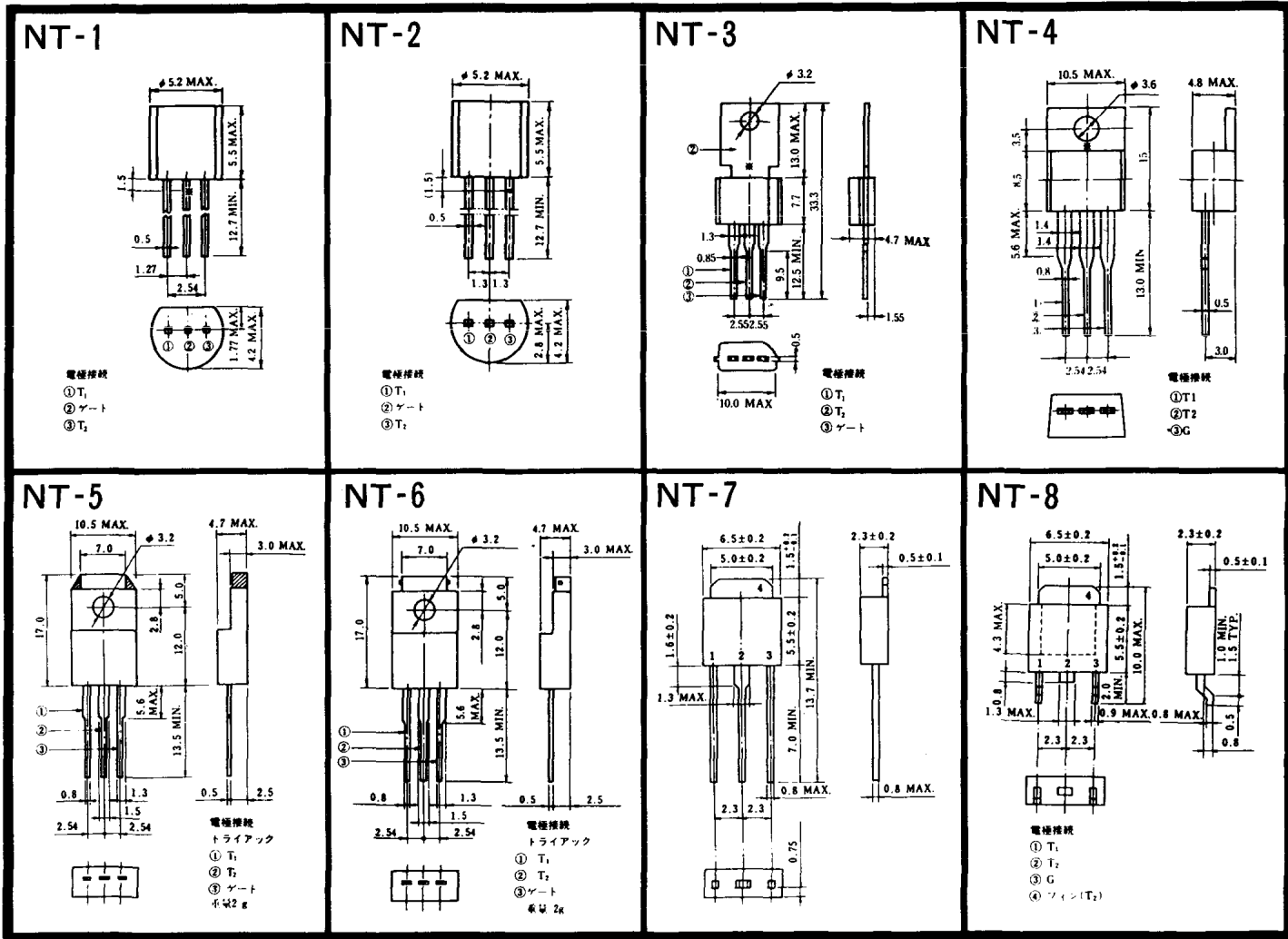
《寸法图单位:mm》

<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 $260^{+0.10}$ mm. It features a gate (white) and an auxiliary cathode (black) with a diameter of $2 \times \phi 4.3$. There are two pins labeled $2 \times \phi 3.5^{+0.07}$ with a depth of $2.0^{+0.2}$ mm. The side view shows a diameter of $\phi 60.0$ mm and a maximum diameter of $\phi 95.0$ MAX. A note indicates 26.0 ± 0.5 mm.</p>			

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

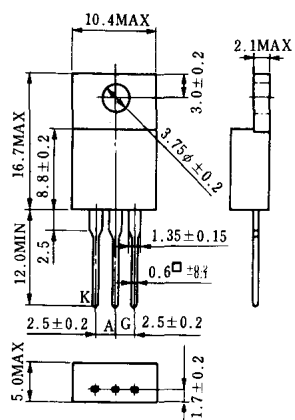
《寸法图单位:mm》



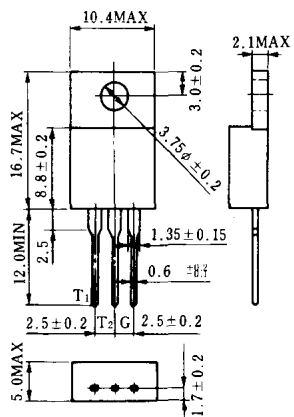
<http://store.iicc/>

〈寸法図単位:mm〉

S-1

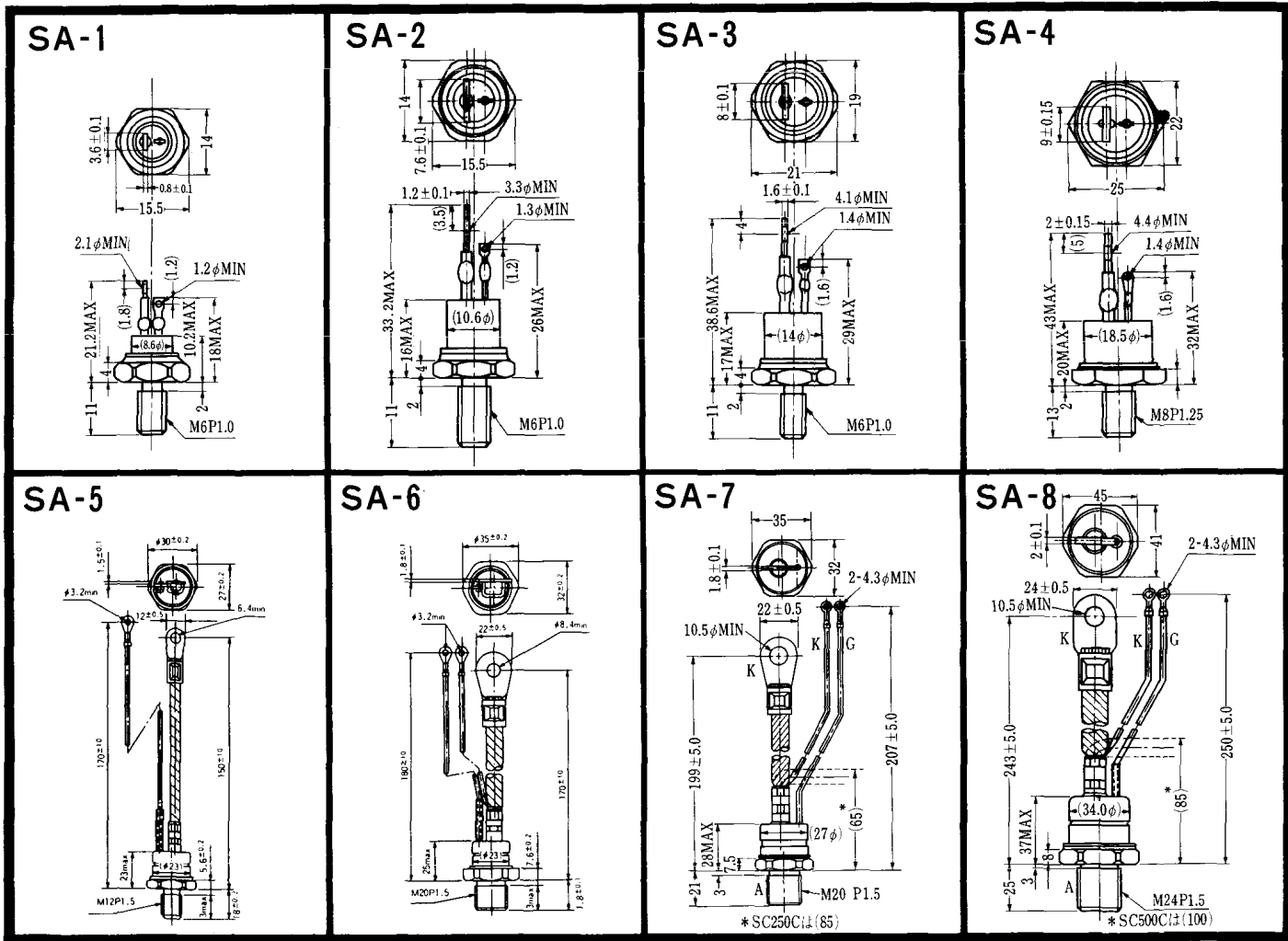


ST-1



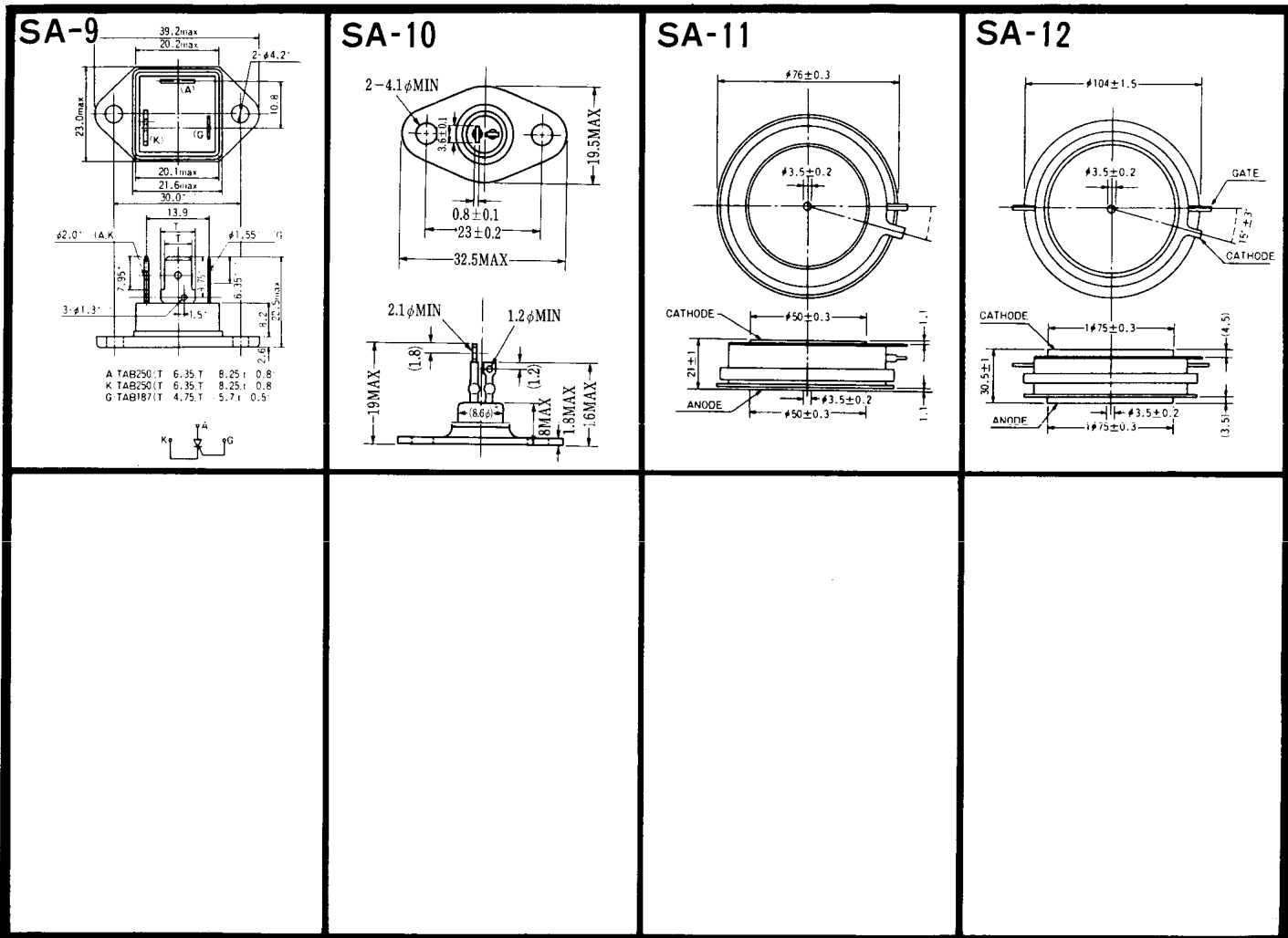
《寸法図単位：mm》

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



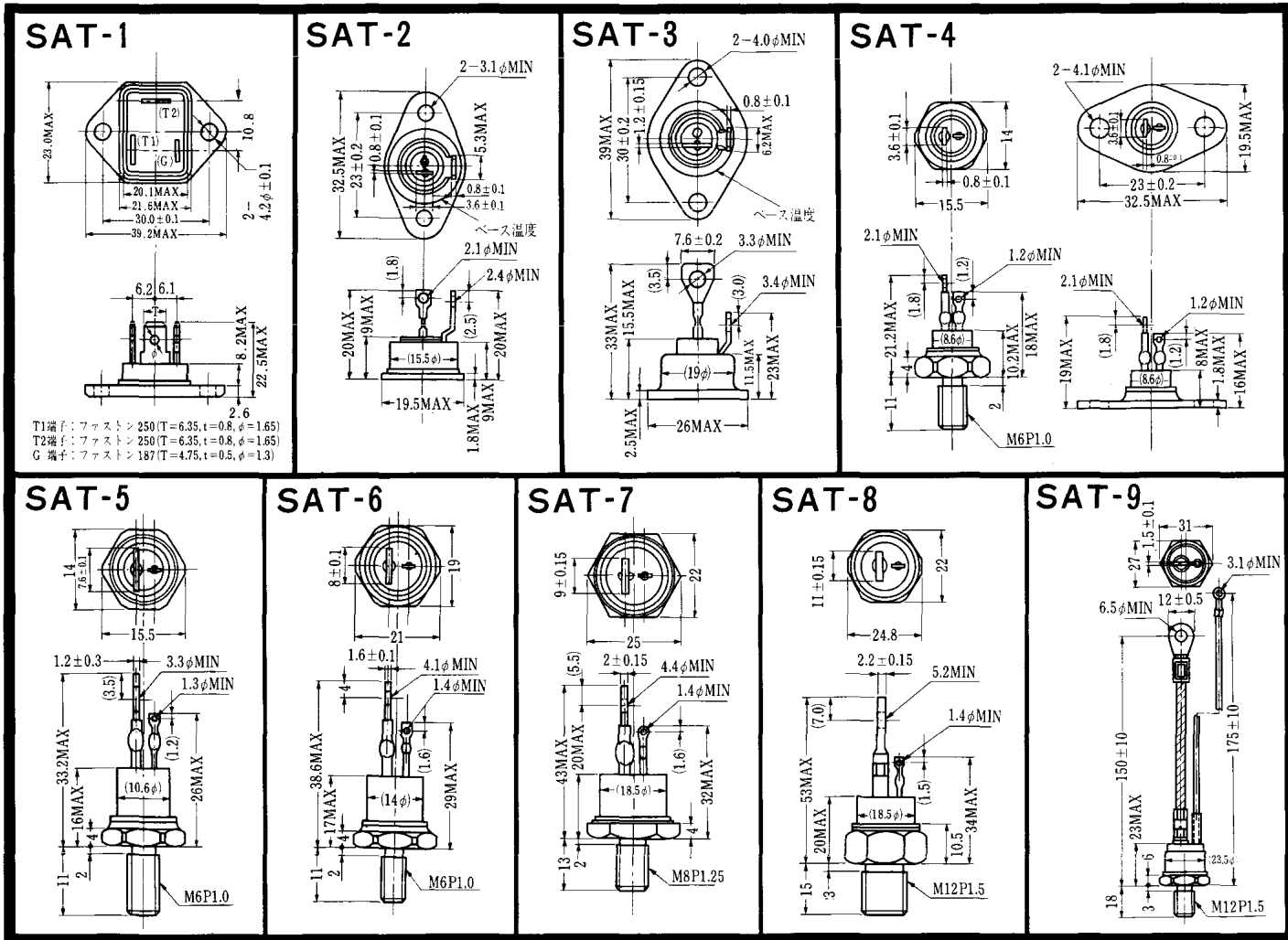
〈寸法図単位:mm〉

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

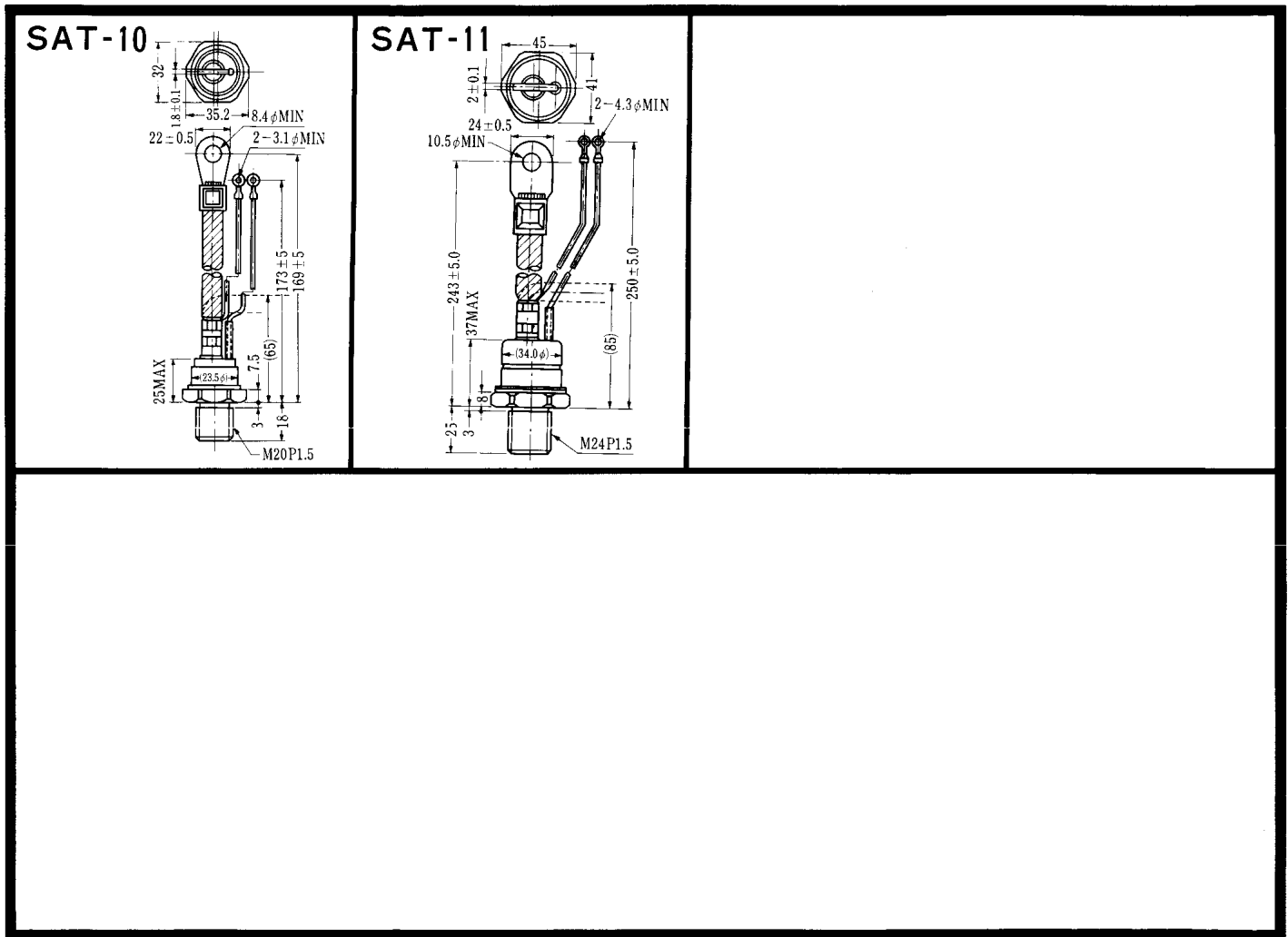
《寸法図単位:mm》



T1端子:ファストン250(T=6.35,t=0.8,φ=1.65)
 T2端子:ファストン250(T=6.35,t=0.8,φ=1.65)
 C端子:ファストン187(T=4.75,t=0.5,φ=1.3)

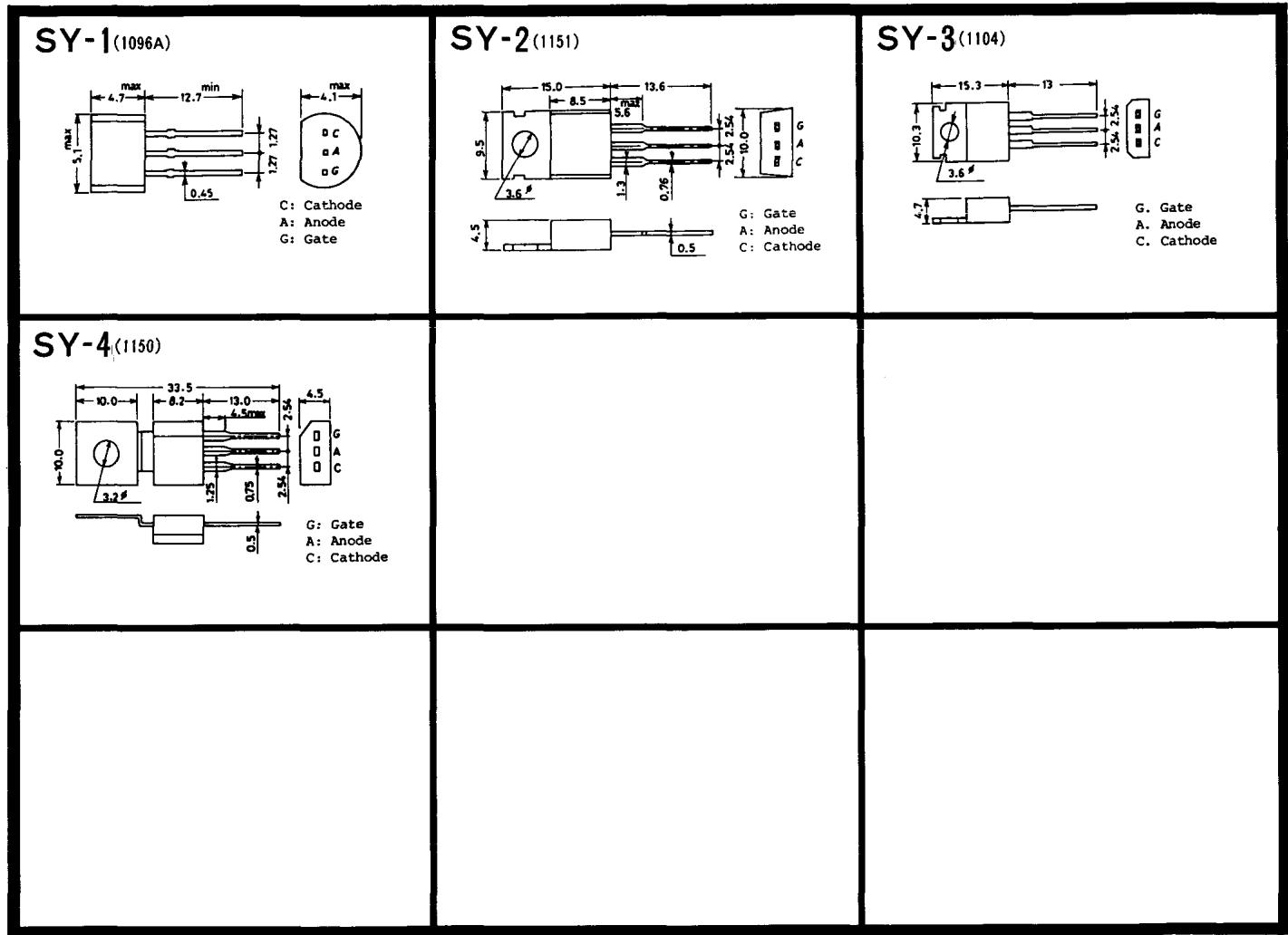
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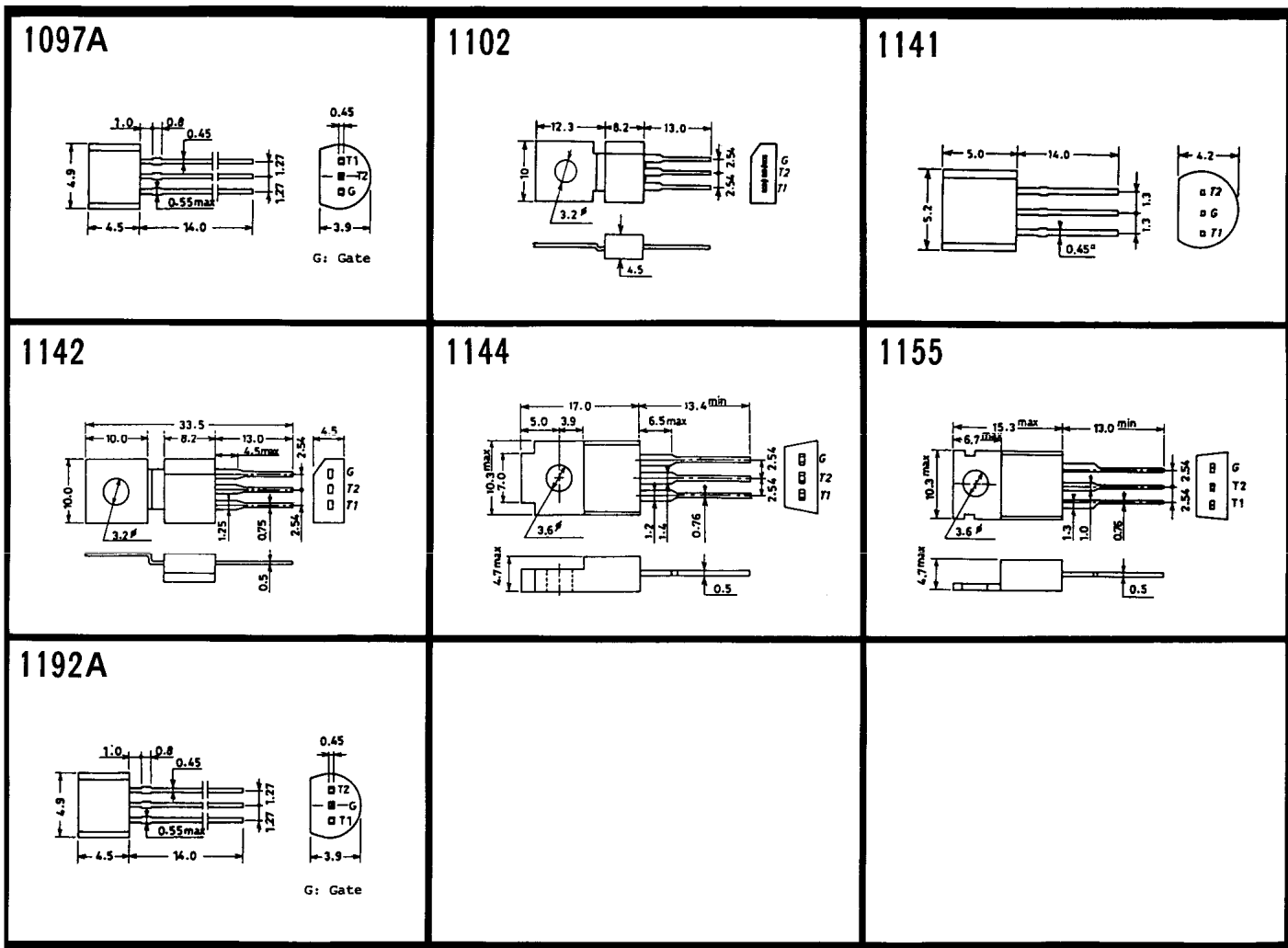
《寸法図単位: mm》

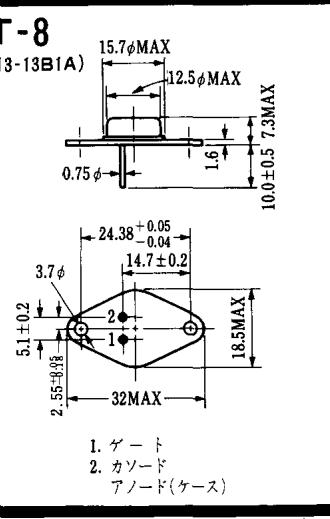
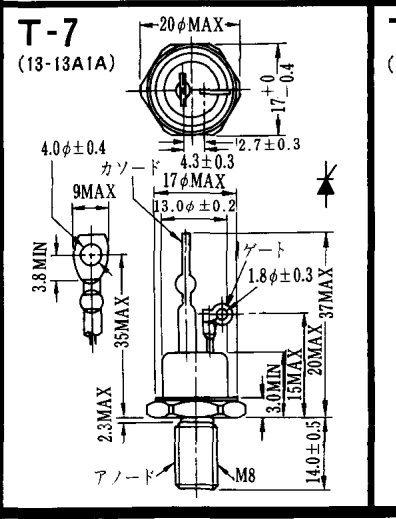
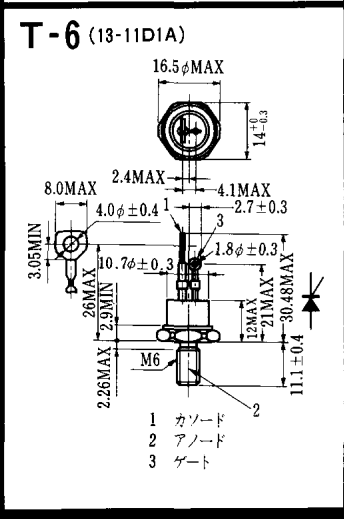
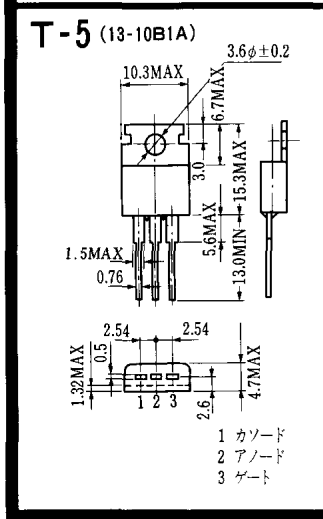
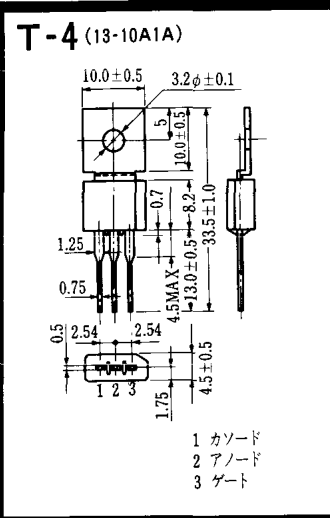
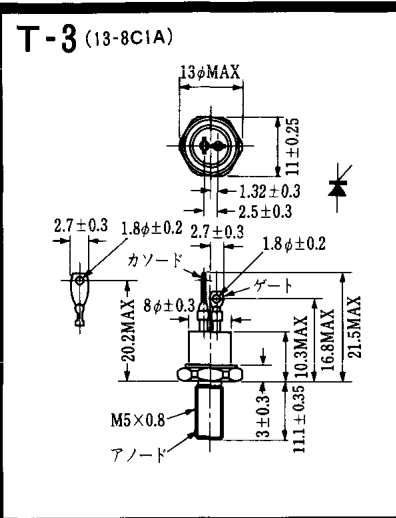
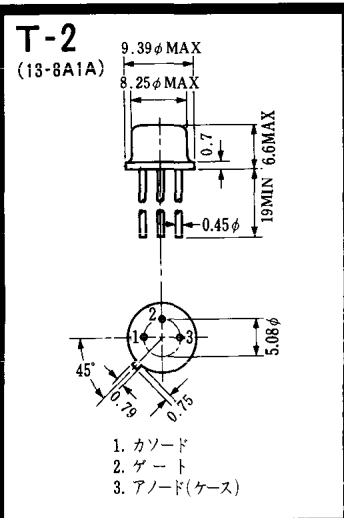
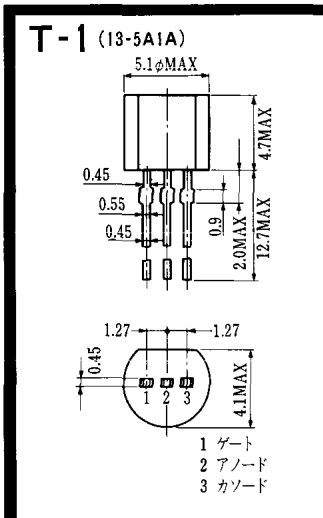


<http://store.iic.cc/>

《寸法図單位：mm》

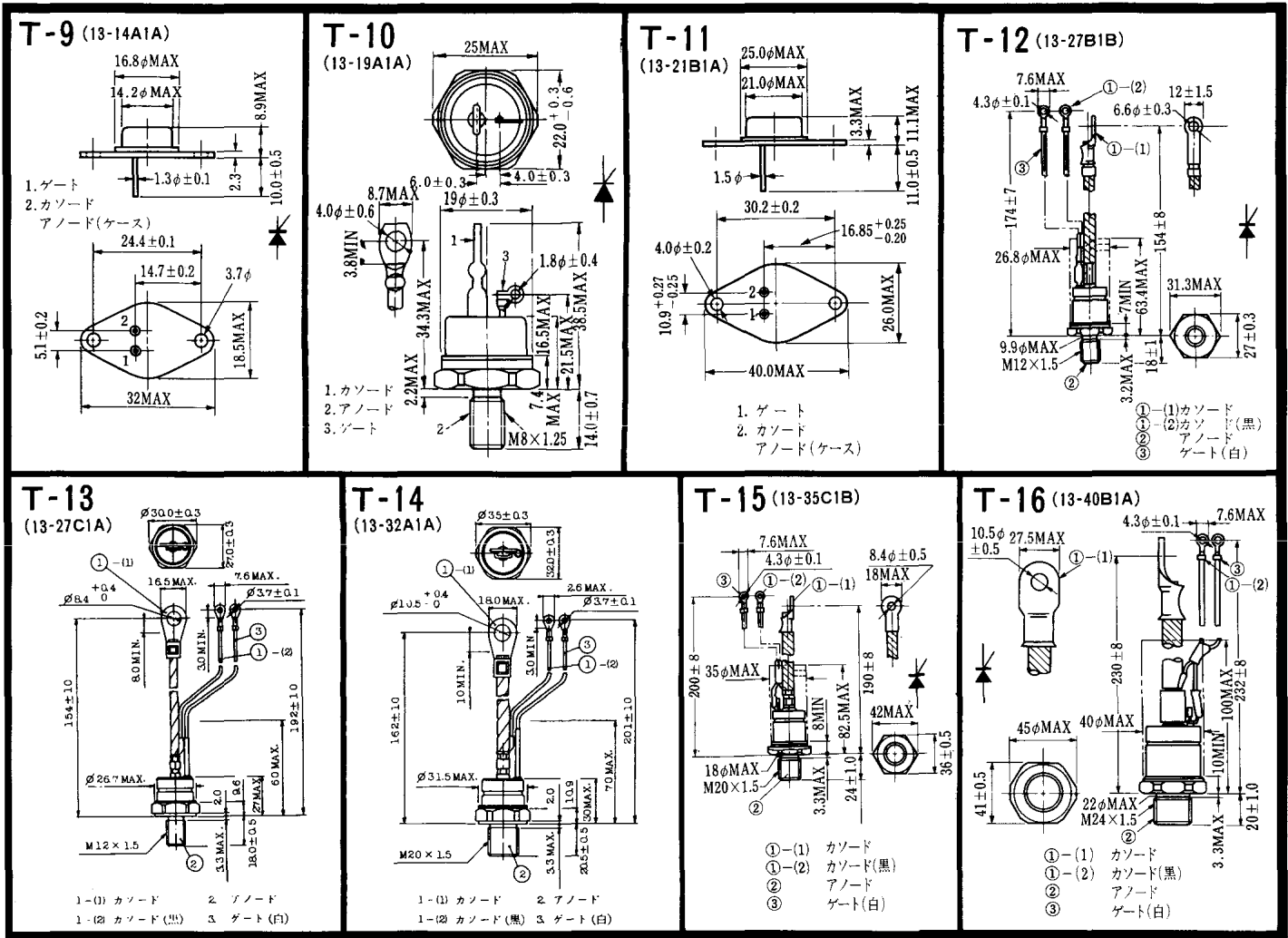






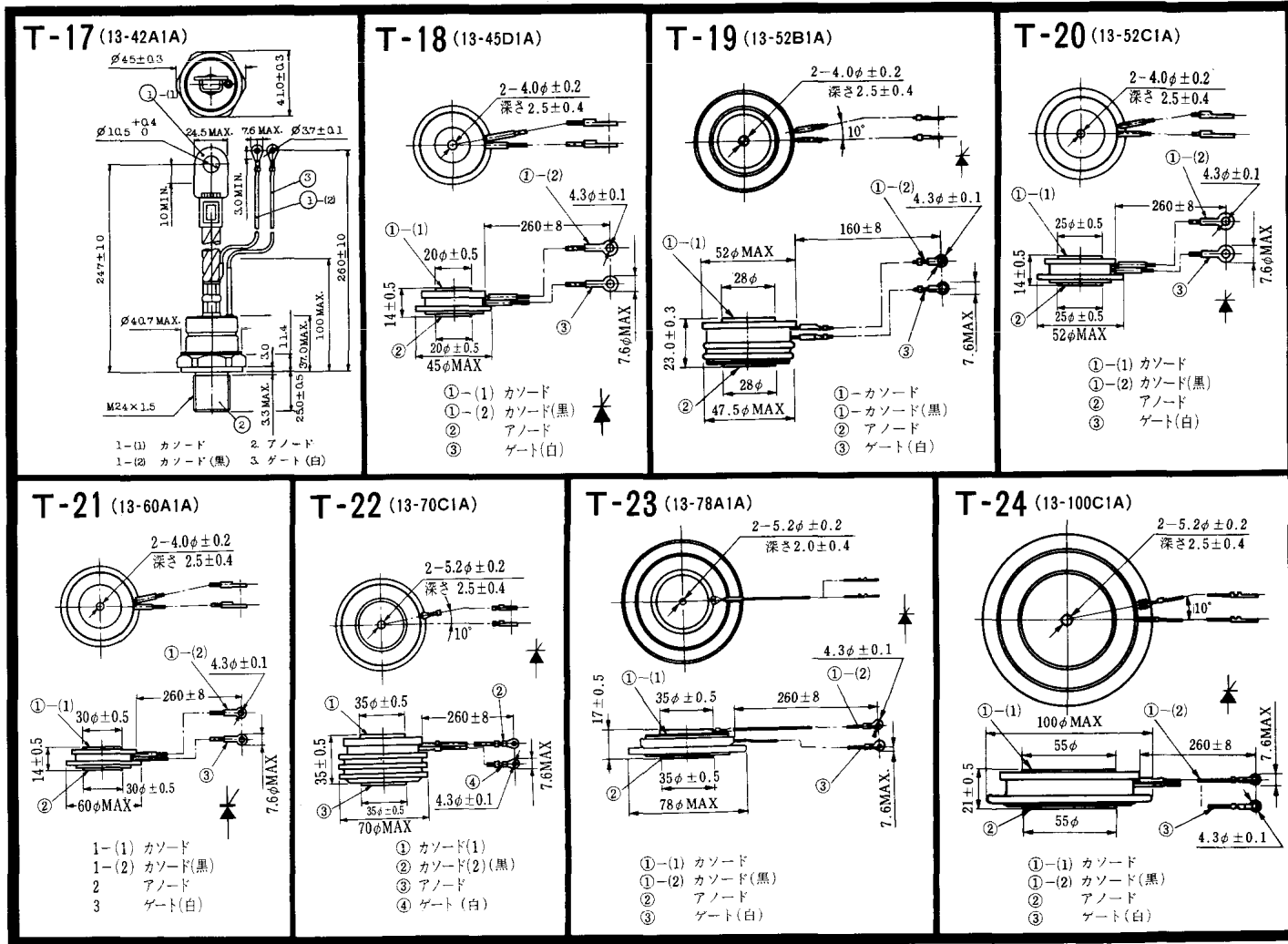
<http://store.iic.cc/>

◁寸法図単位: mm



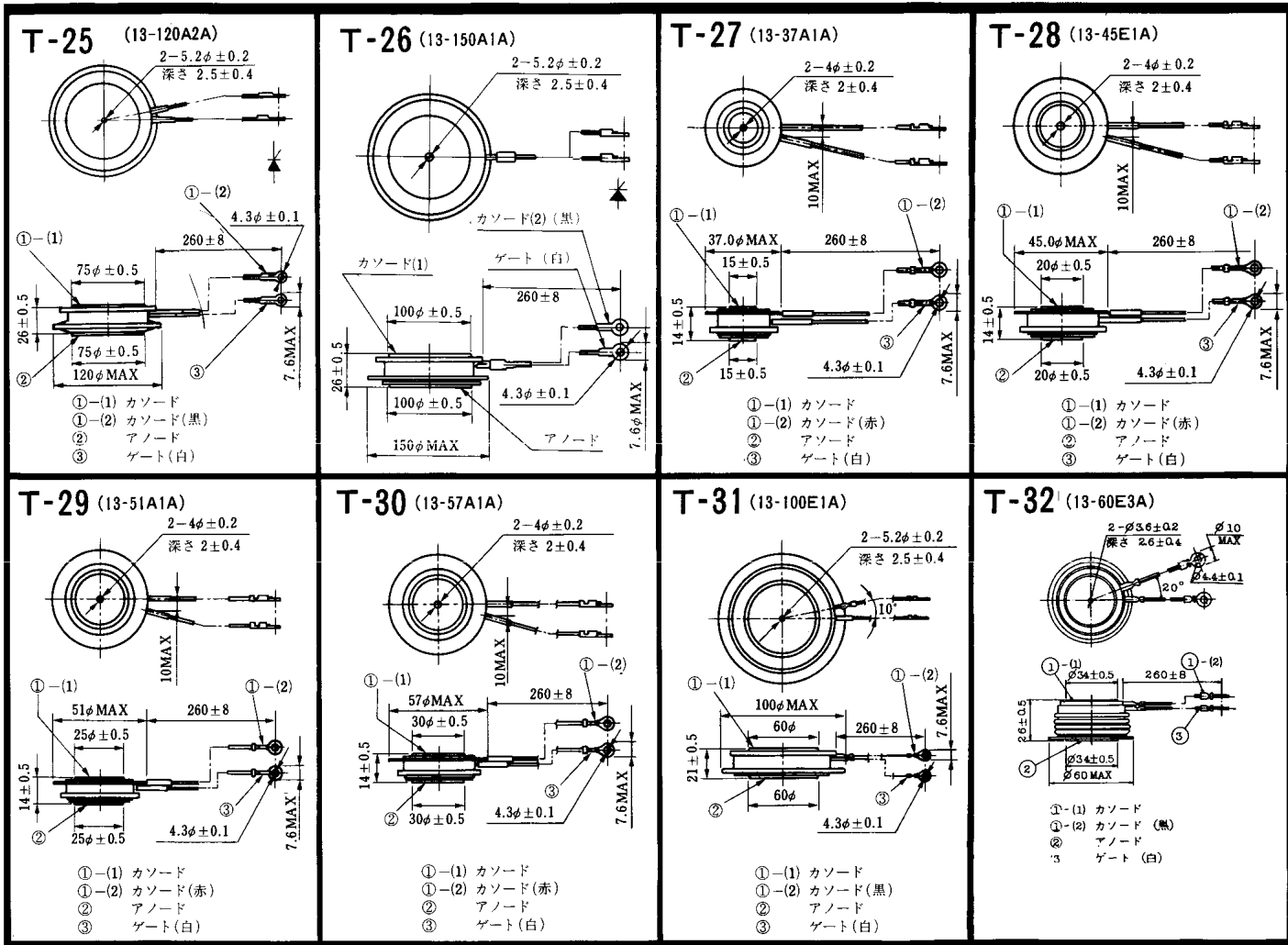
《寸法図単位：mm》

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



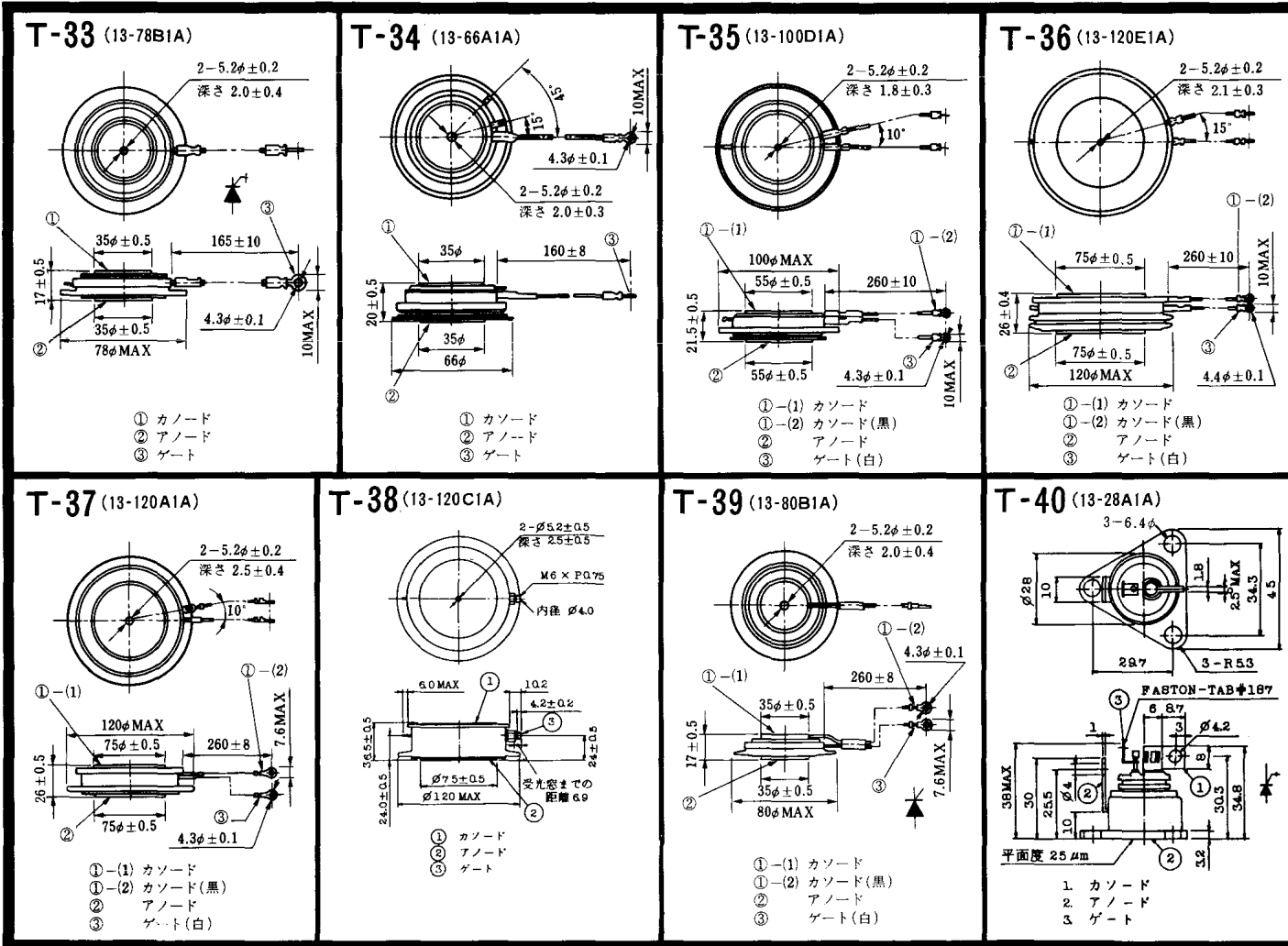
〈寸法図単位：mm〉

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



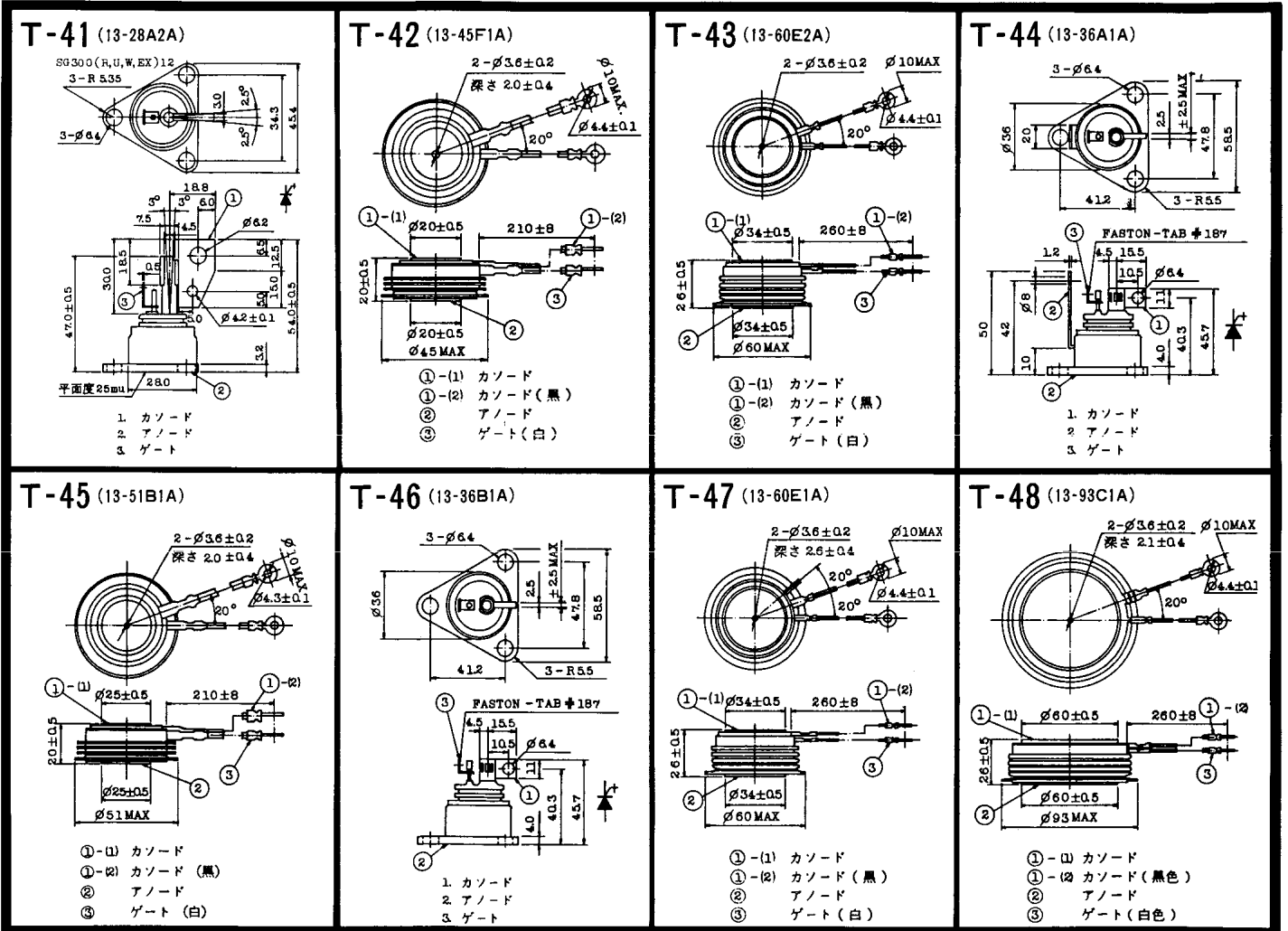
《寸法図単位：mm》

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



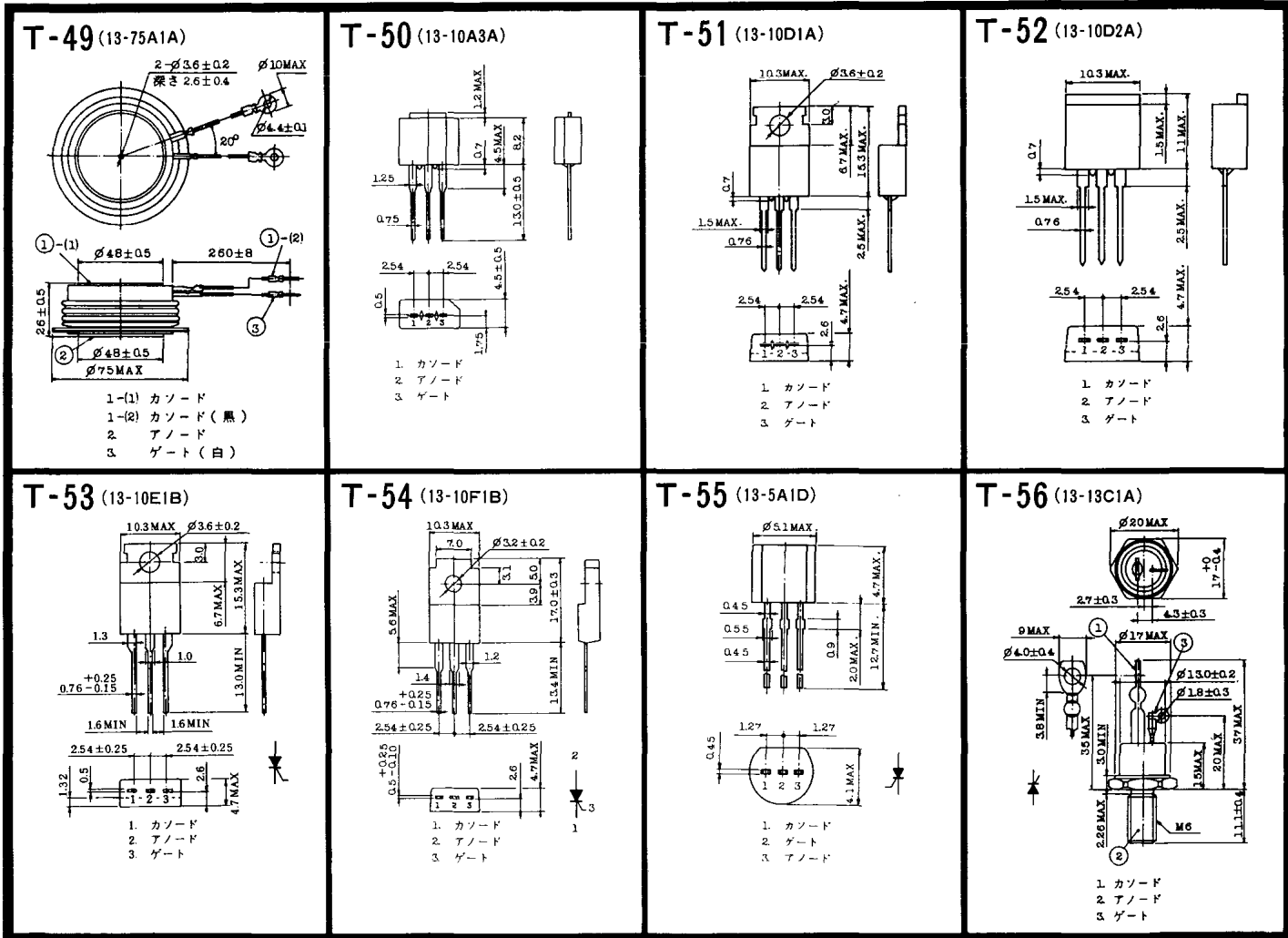
《寸法図単位：mm

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



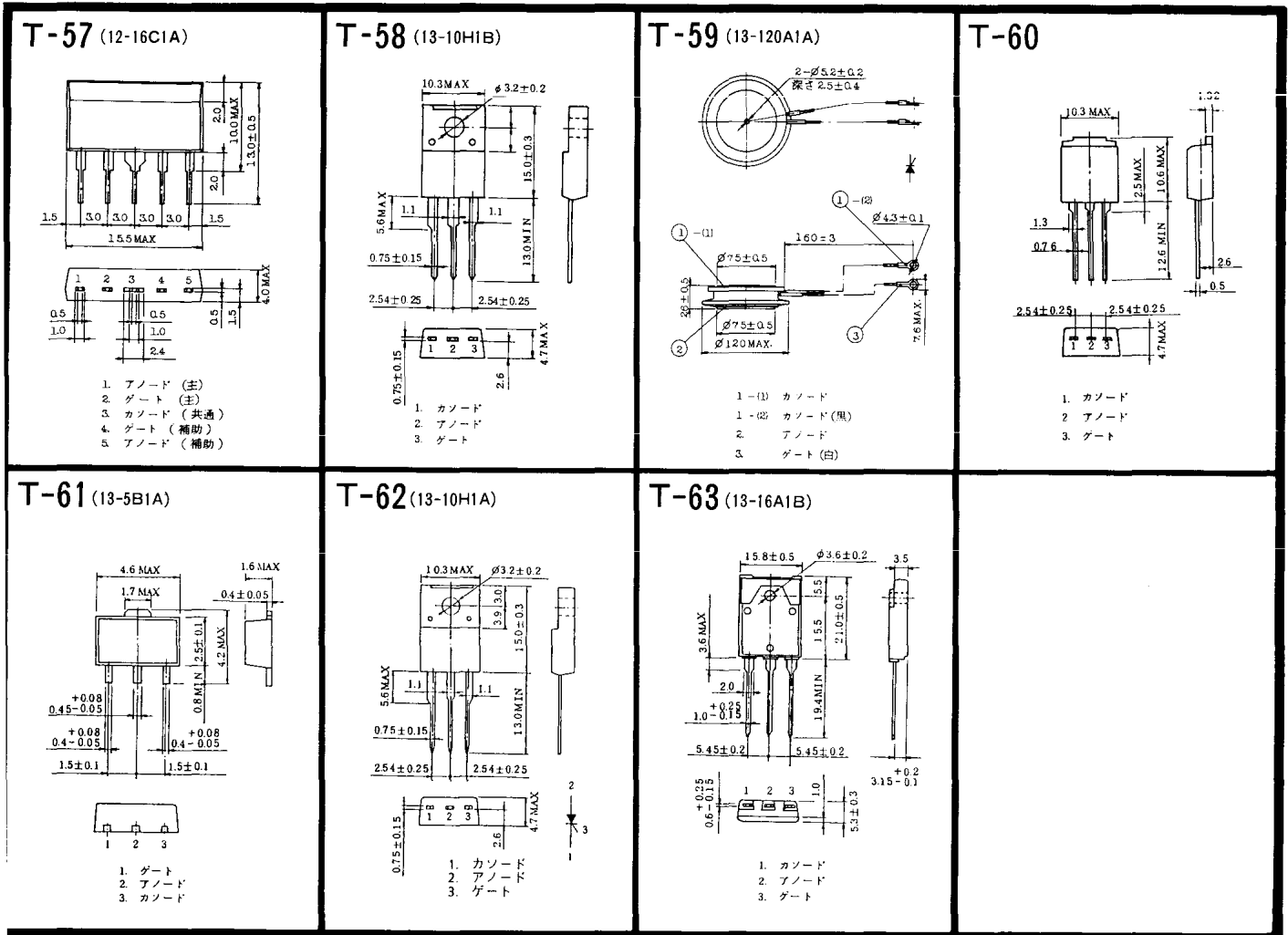
〈寸法図単位：mm〉

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



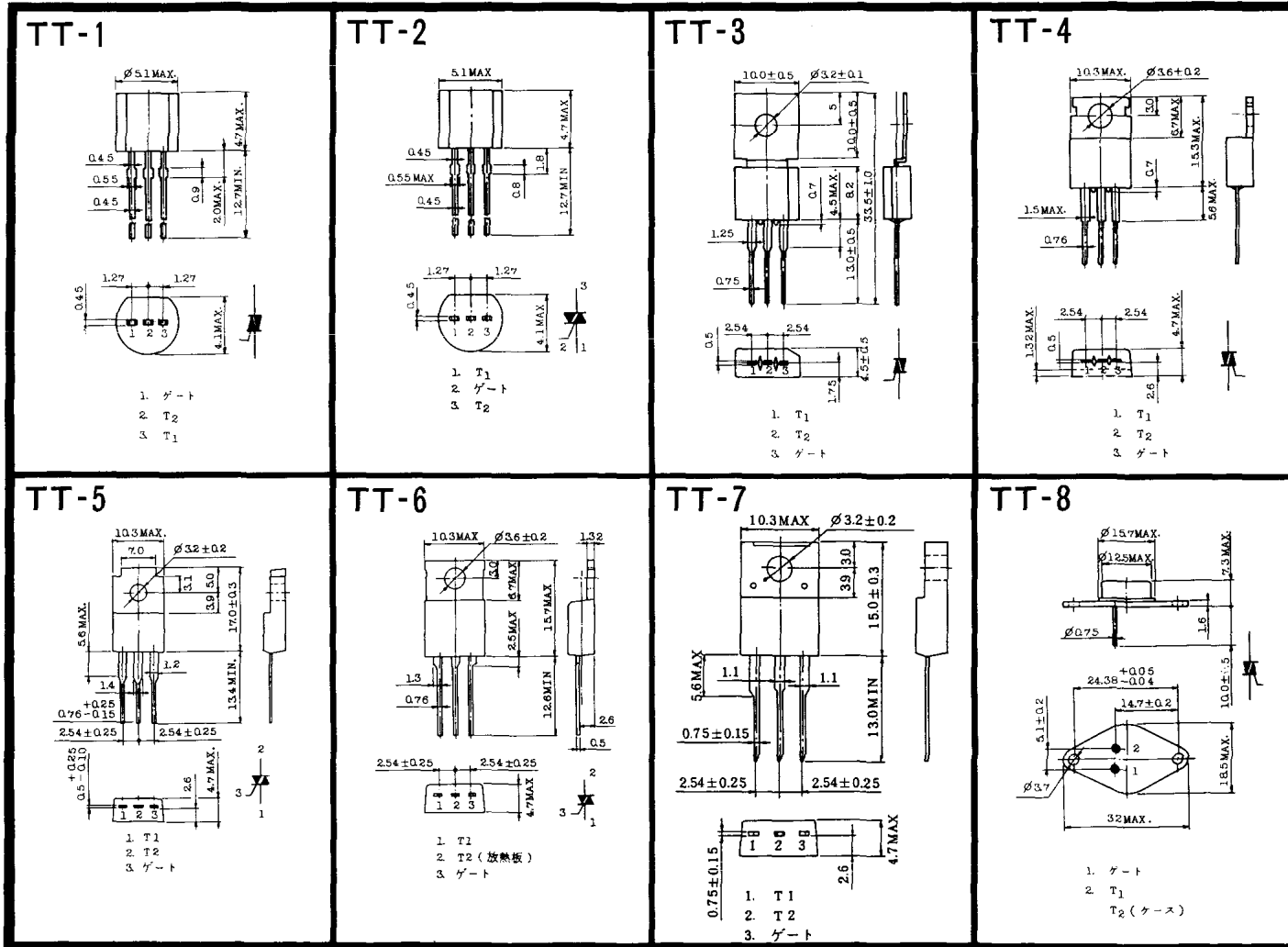
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<http://store.iic.cc/>



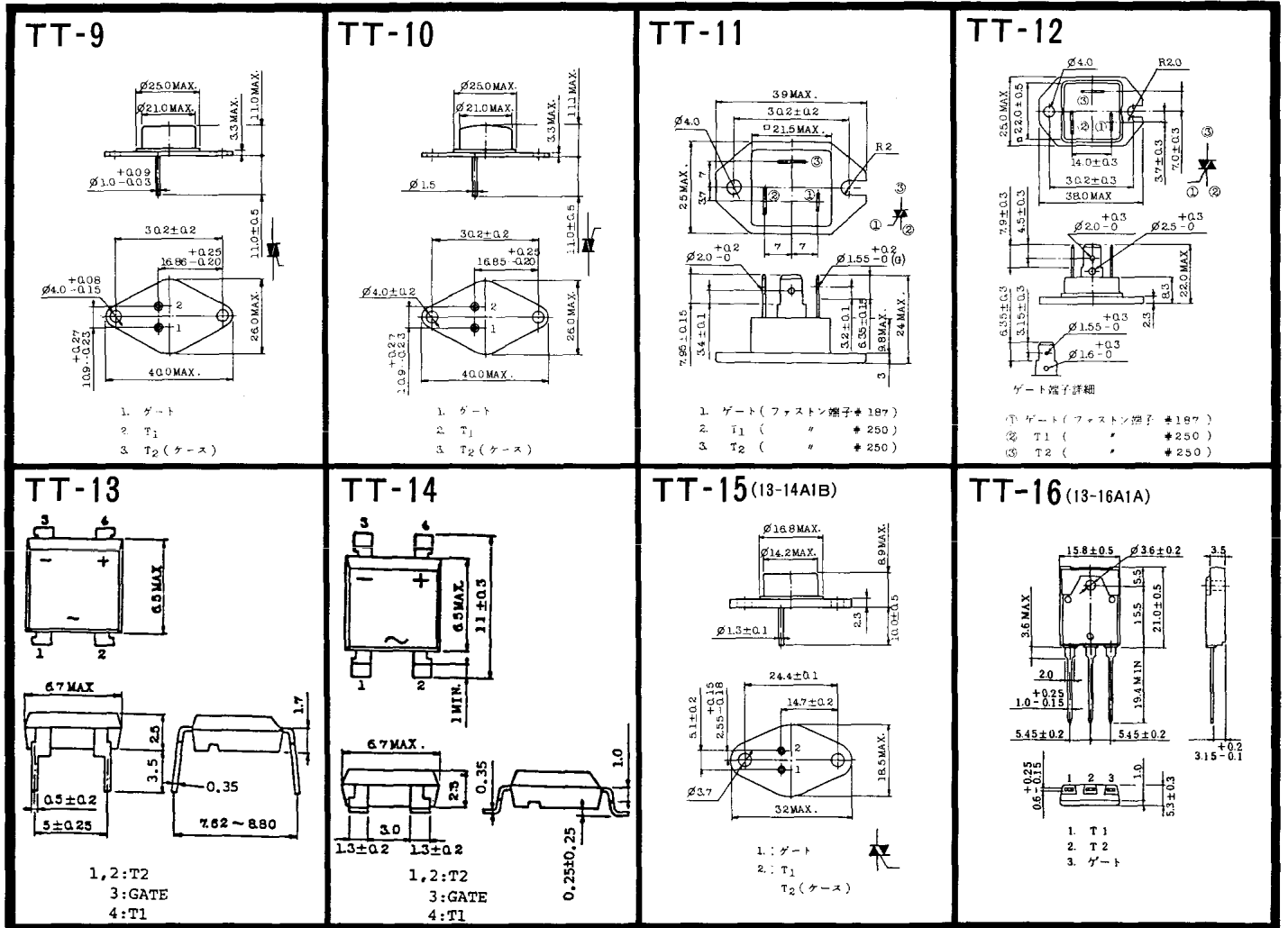
《寸法図単位:mm》

<http://store.iicc/>



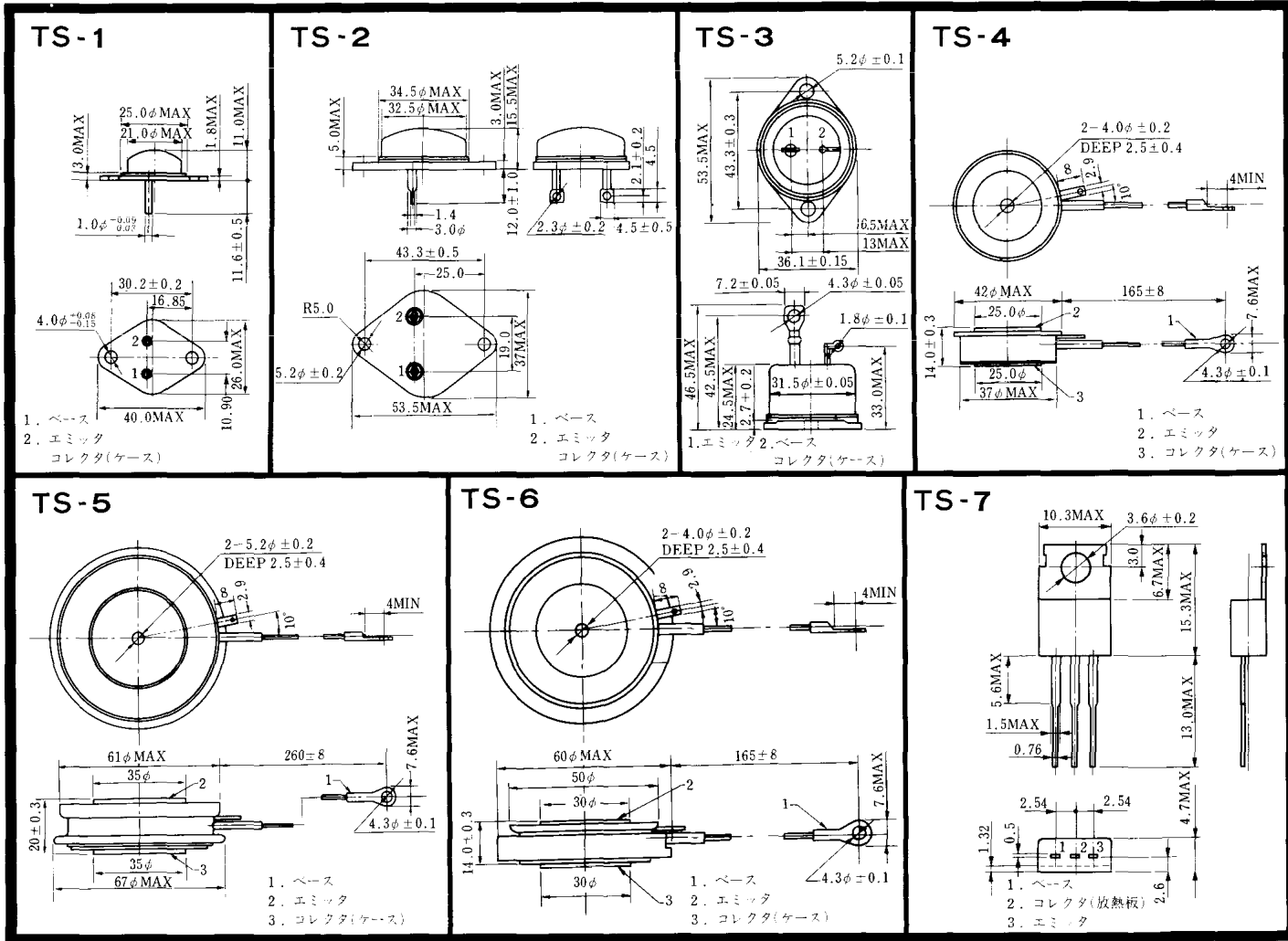
〈寸法図単位: mm〉

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



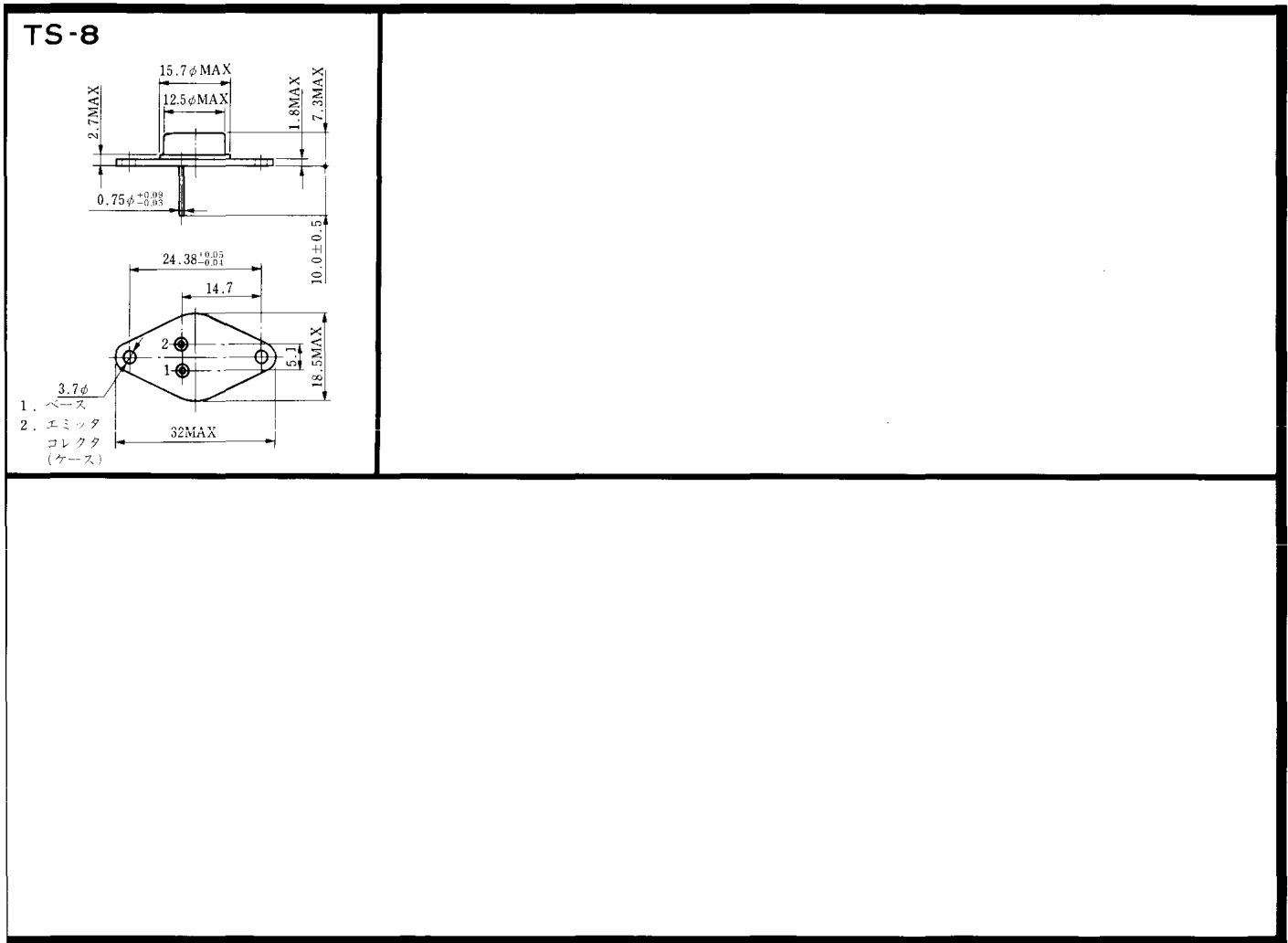
◀寸法図単位: mm▶

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



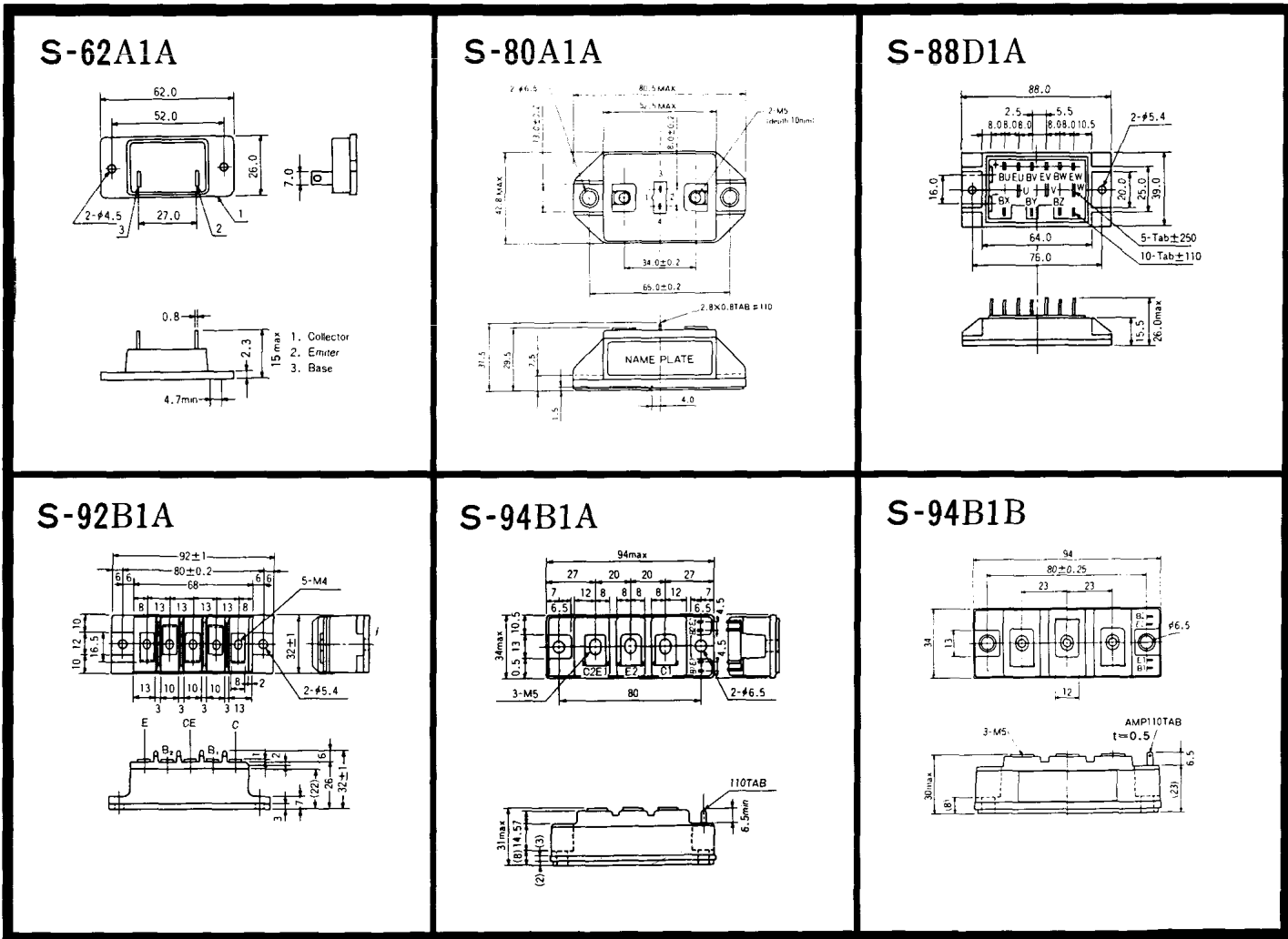
《寸法図単位：mm》

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



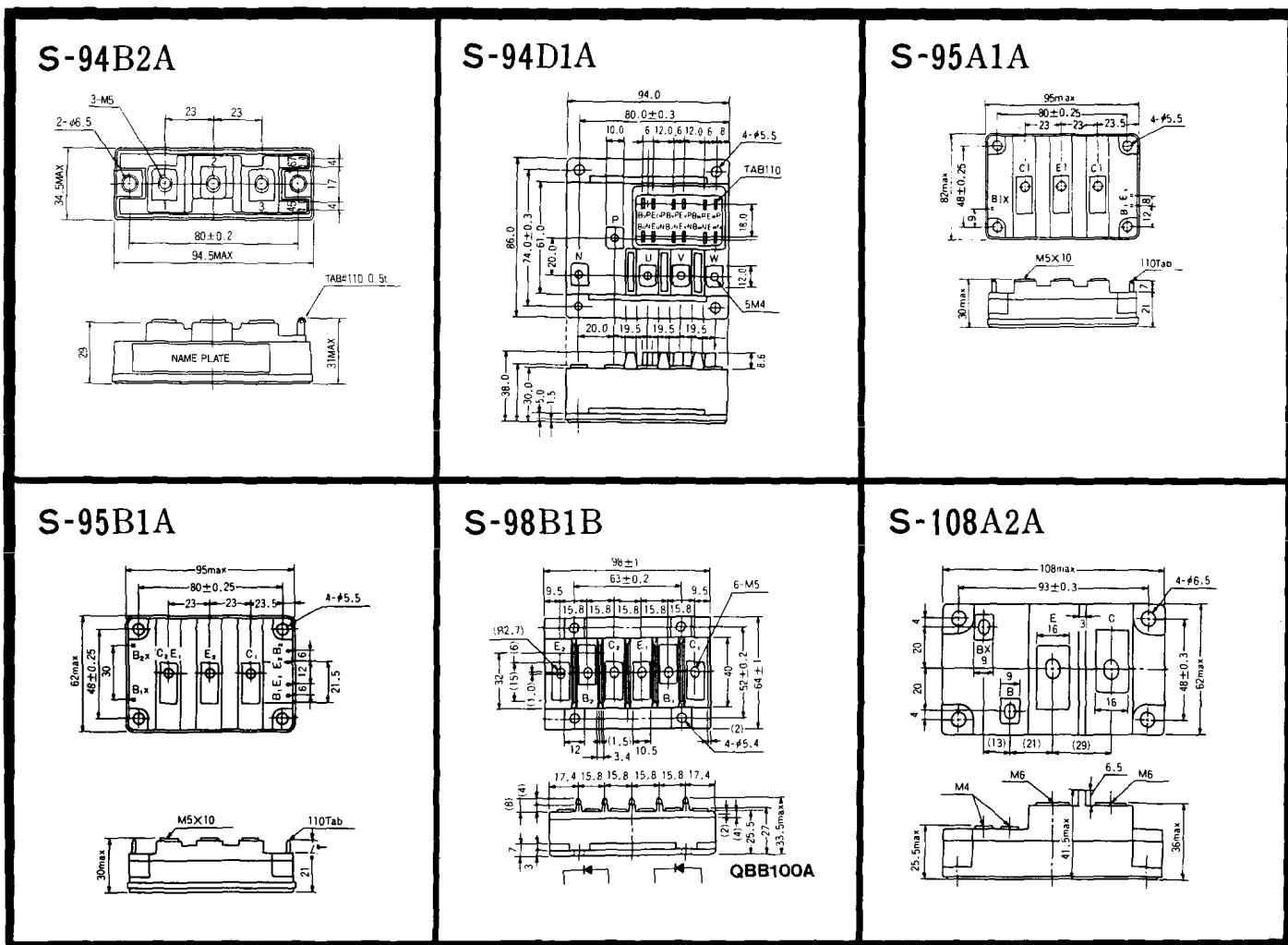
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《寸法図単位：mm》



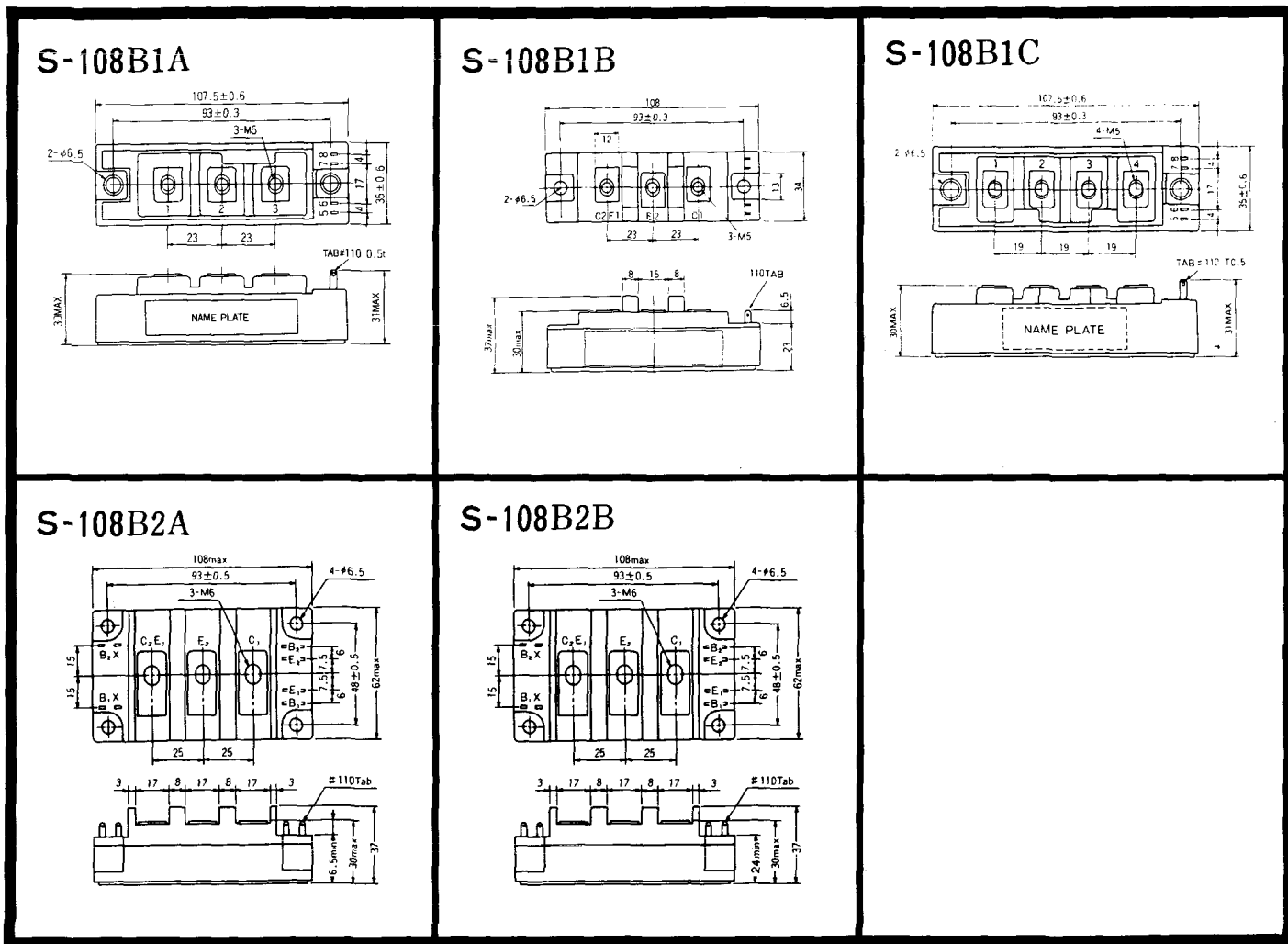
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〈寸法図単位：mm〉



〈寸法図単位：mm〉

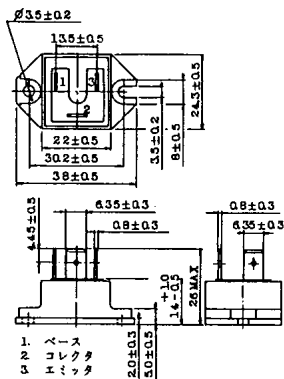
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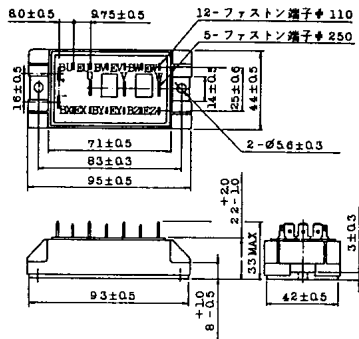
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<寸法图单位:mm>

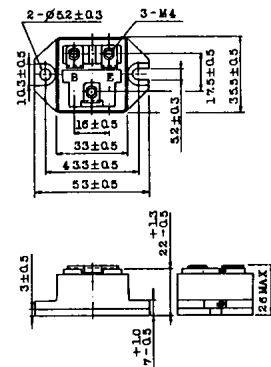
2-22B1A



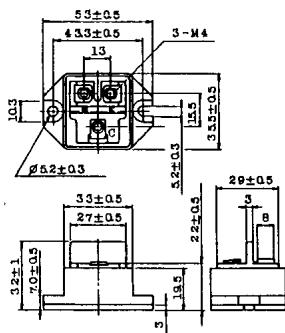
2-27A4A



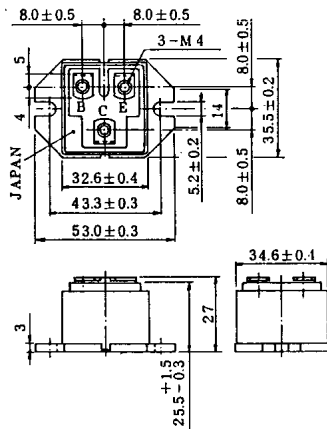
2-33C1A



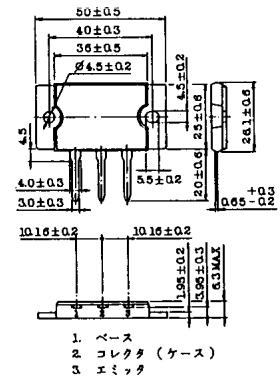
2-33D1A



2-33F1A

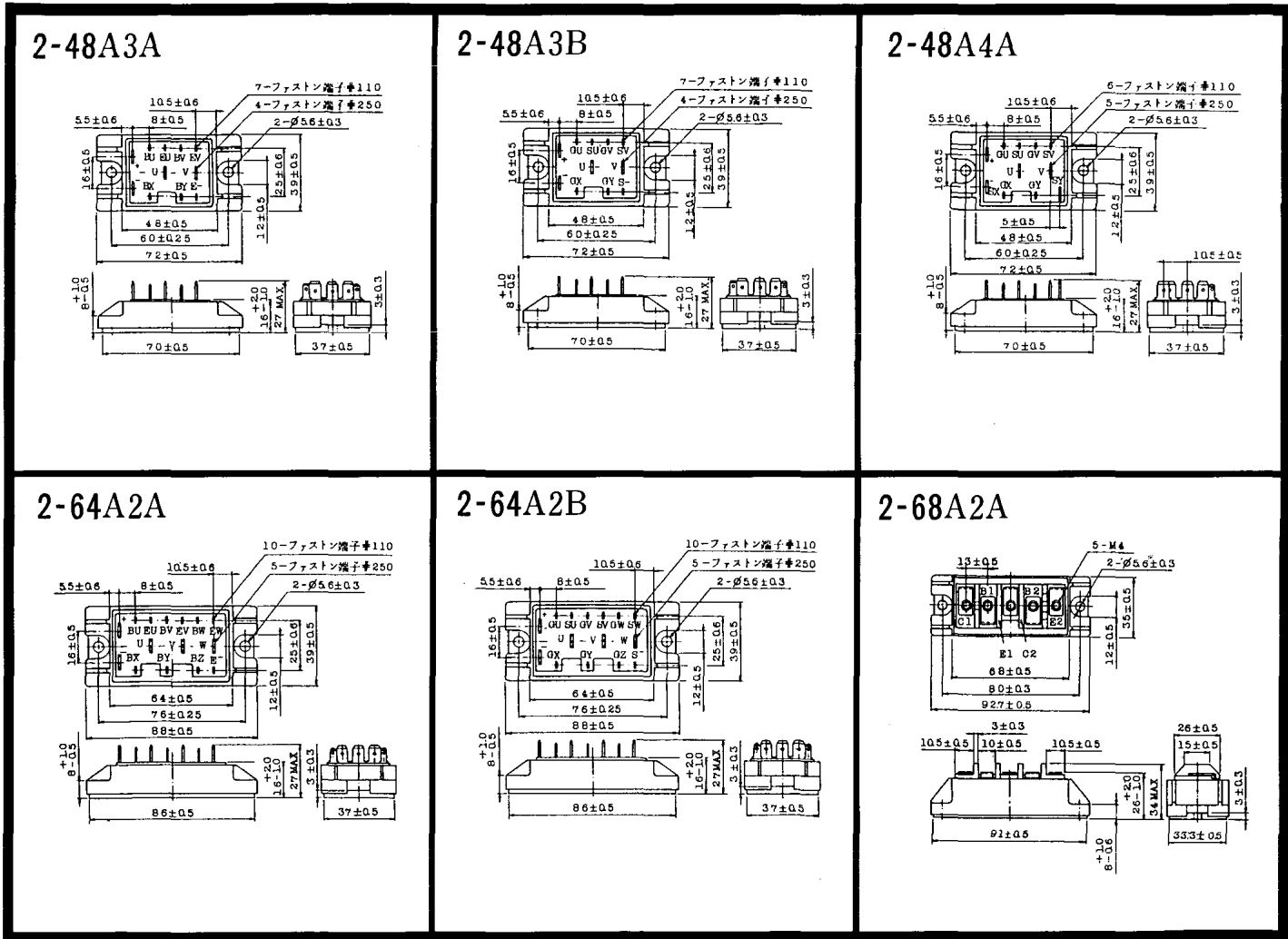


2-37A1A



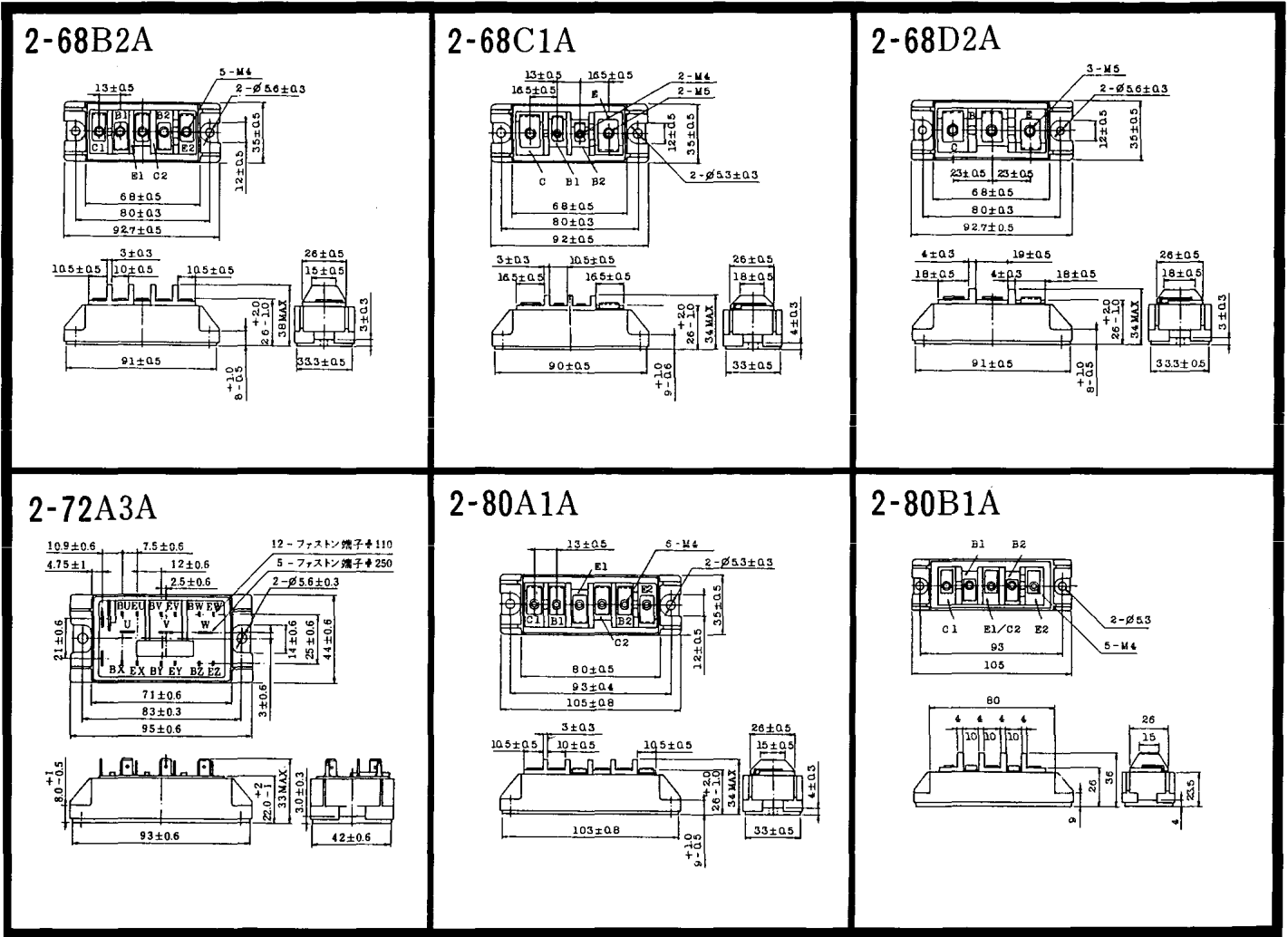
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〈寸法図単位：mm〉



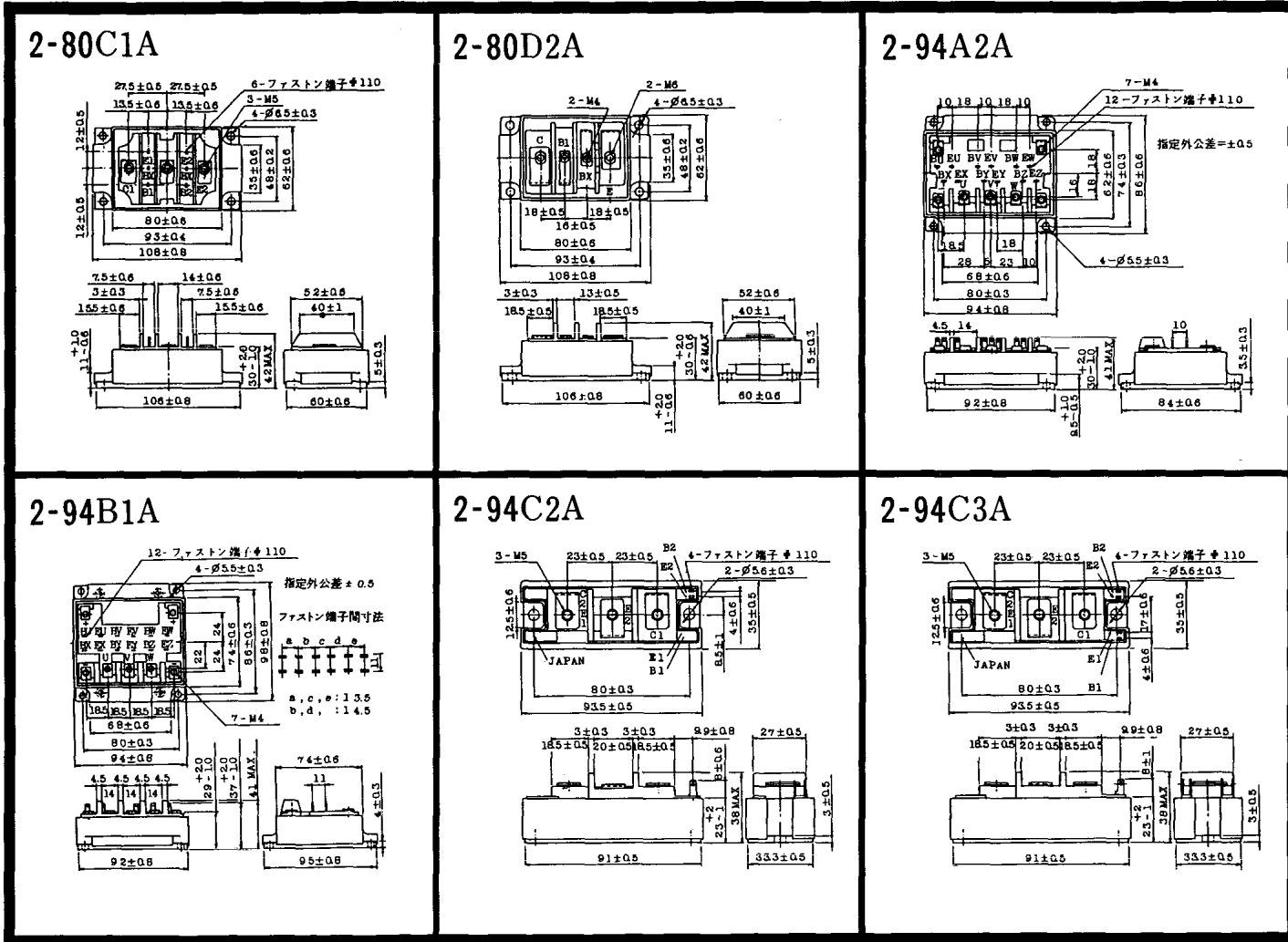
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〈寸法図単位：mm〉



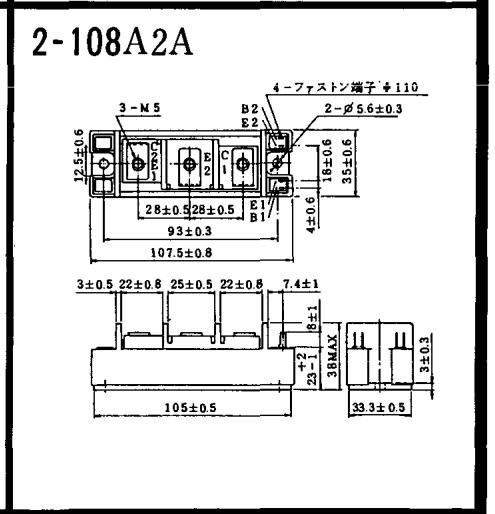
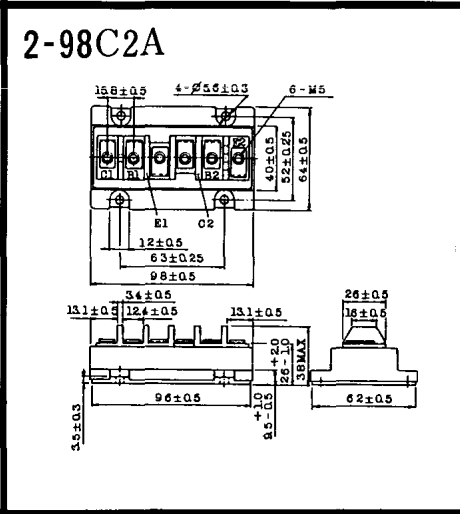
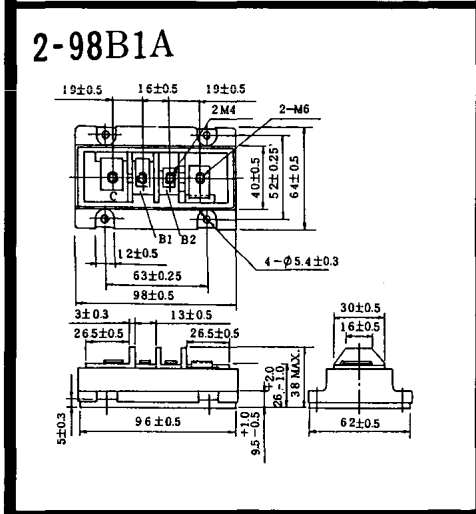
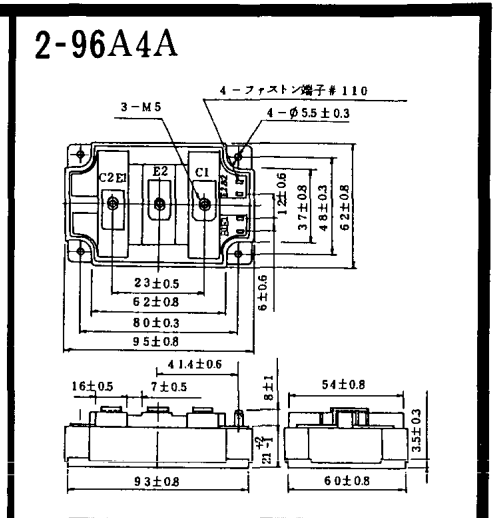
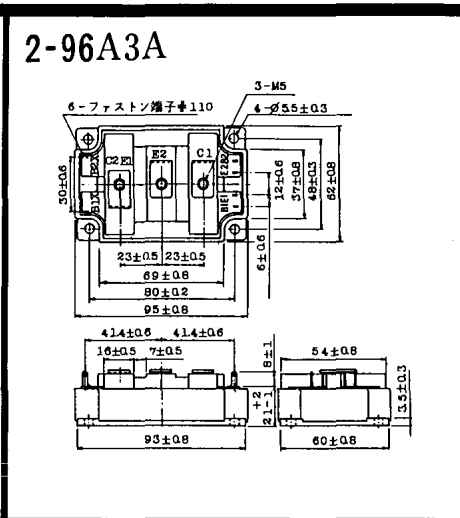
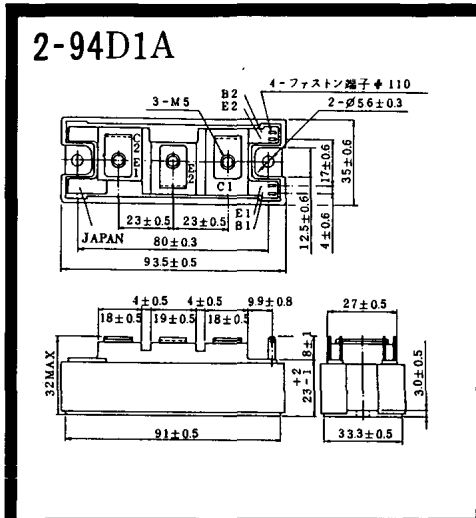
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〈寸法図単位：mm〉



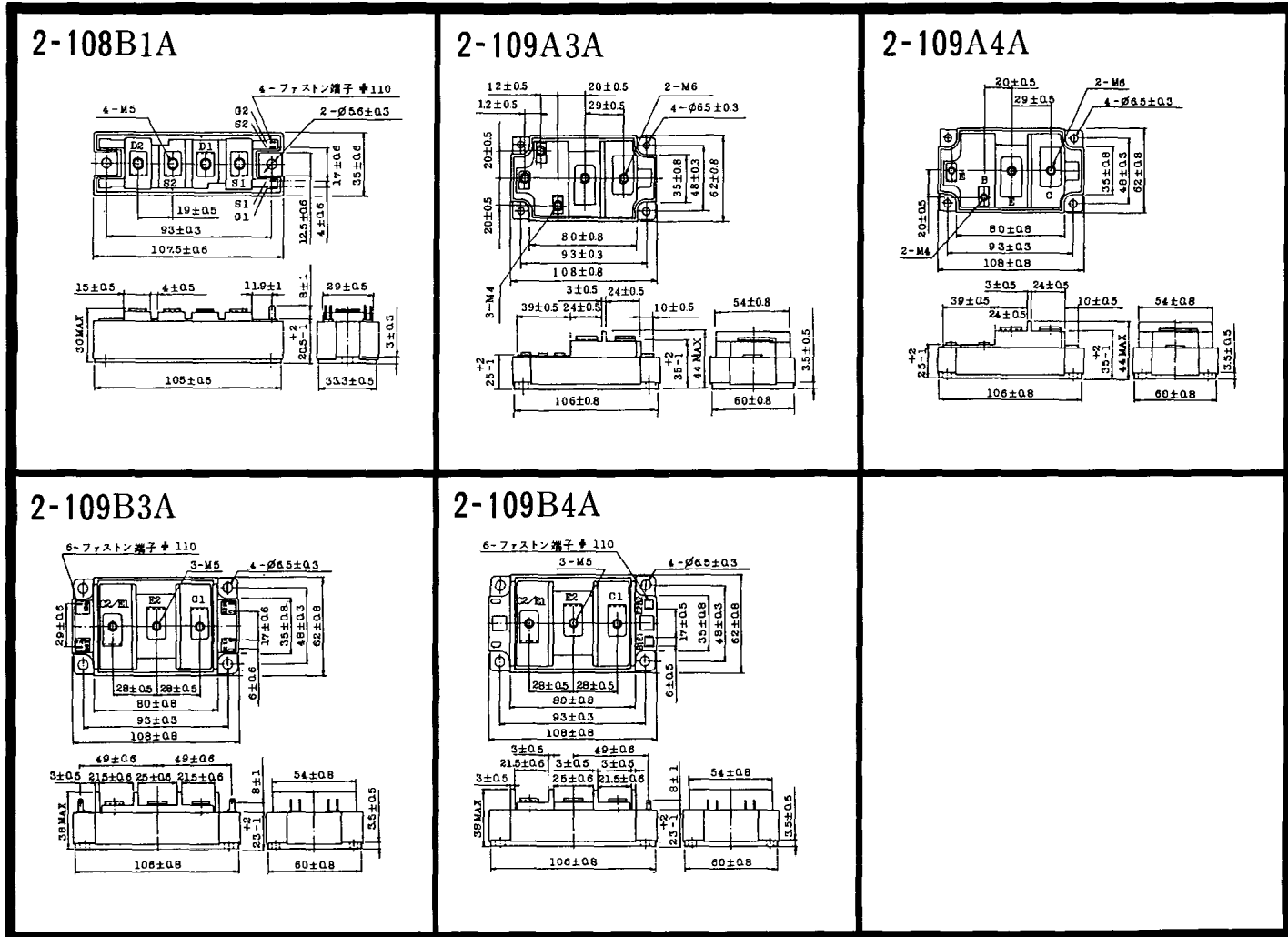
〈寸法図単位：mm〉

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



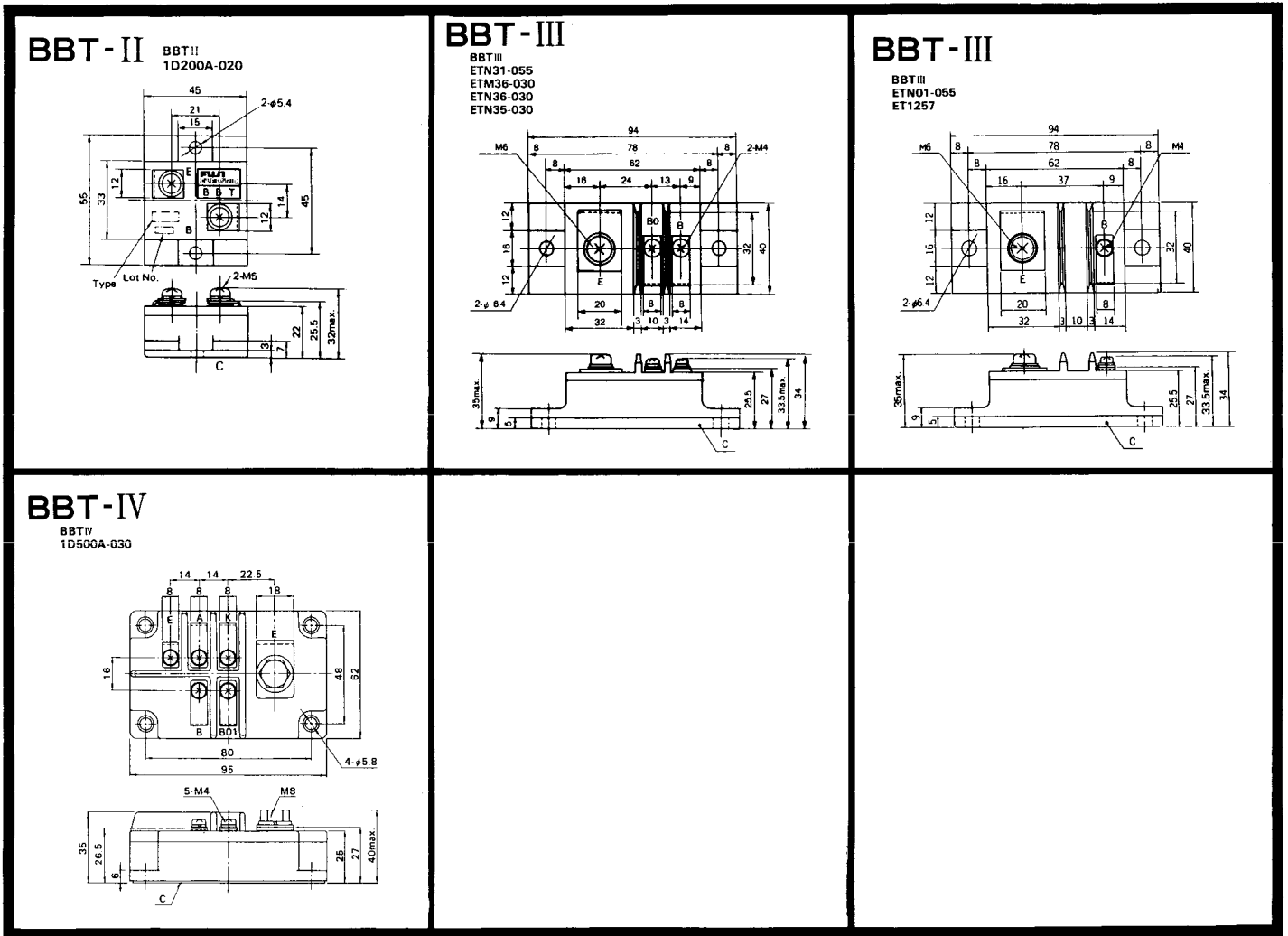
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《寸法図単位：mm》



<寸法図単位：mm>

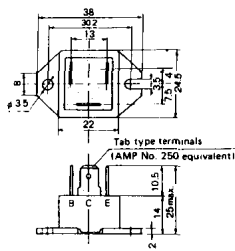
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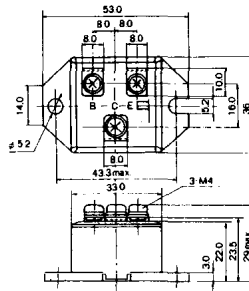
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〈寸法图单位:mm〉

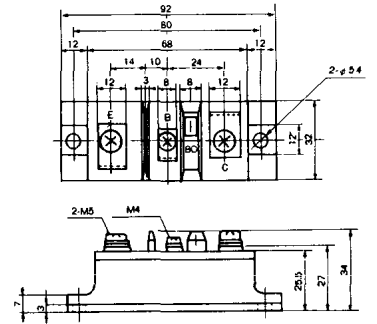
M-101



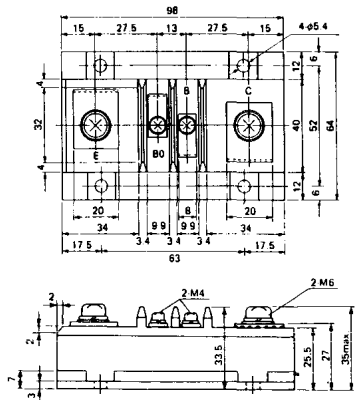
M-102



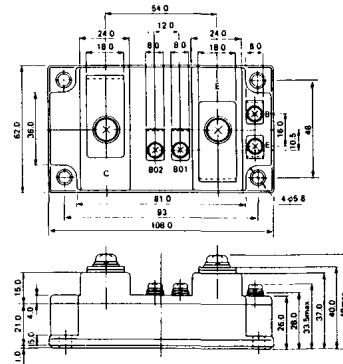
M-103



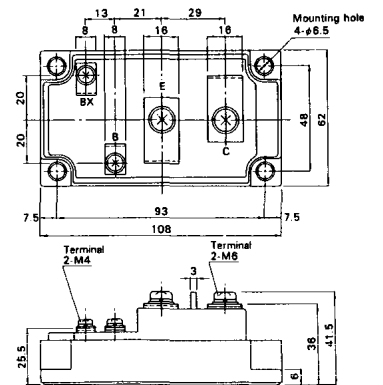
M-104



M-105



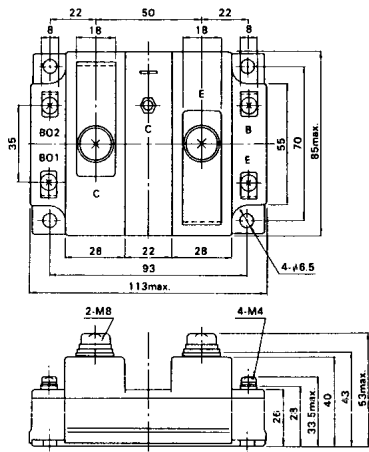
M-106



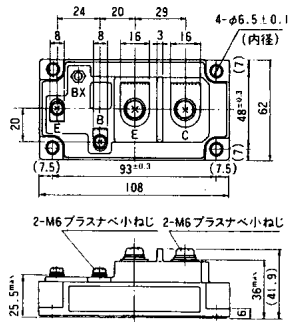
<http://store.iic.cc/>

〈寸法図単位：mm〉

M-107



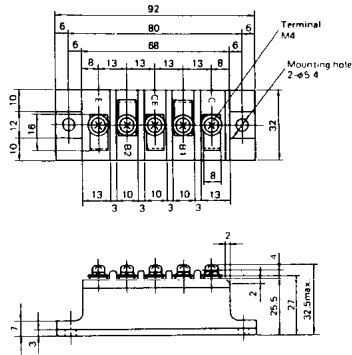
M-116



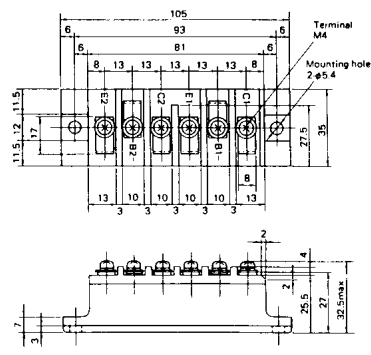
<http://store.iiic.cc/>

〈寸法図単位：mm〉

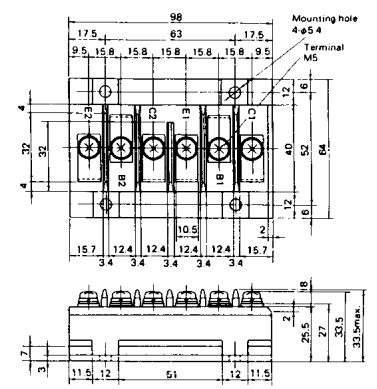
M-201



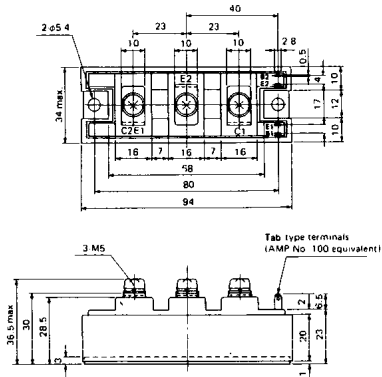
M-202



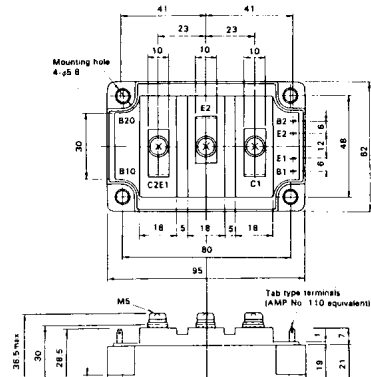
M-203



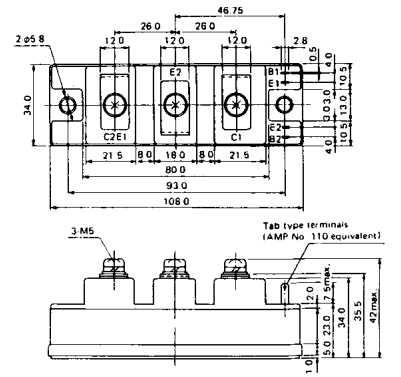
M-204



M-205

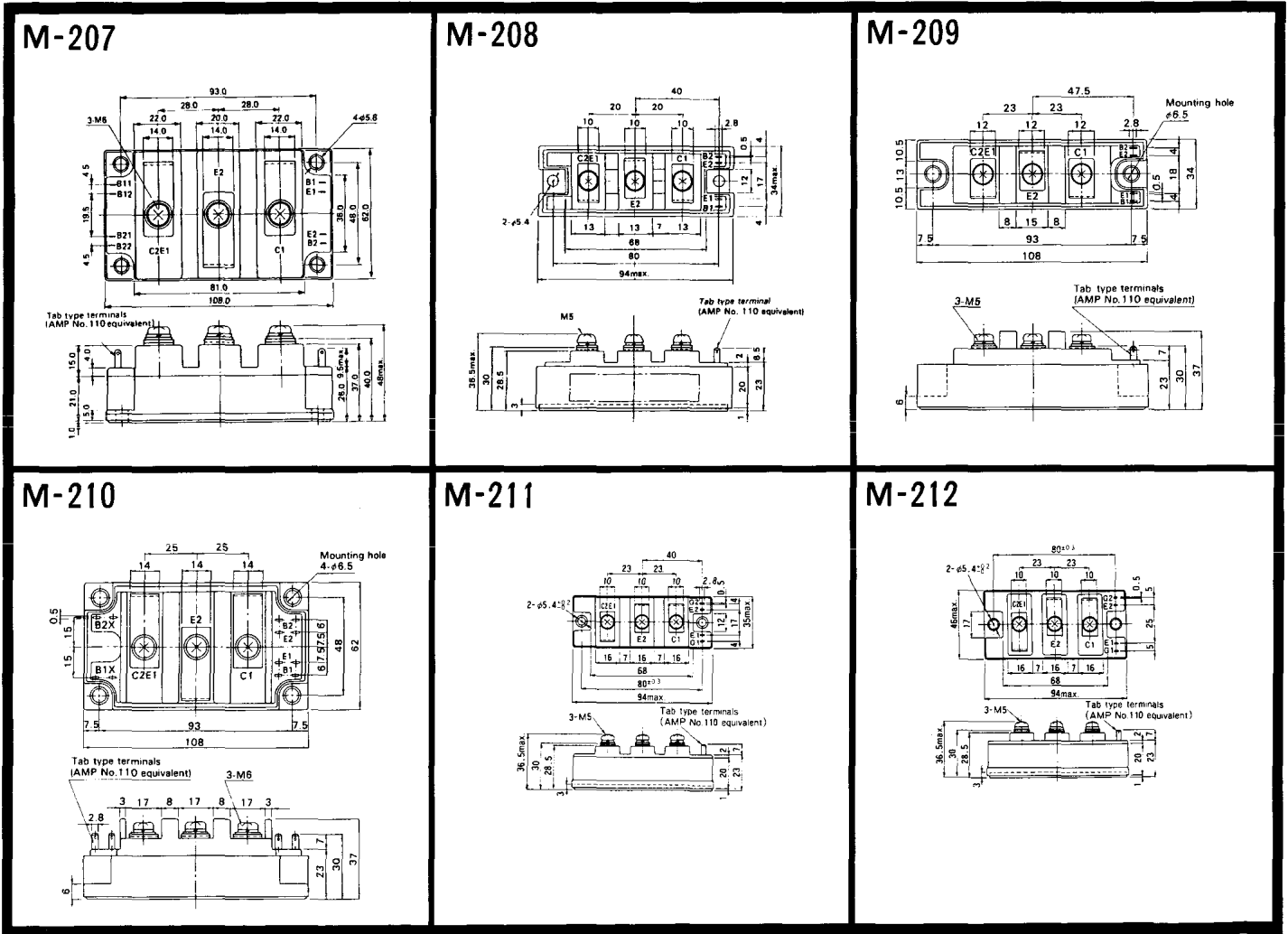


M-206



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

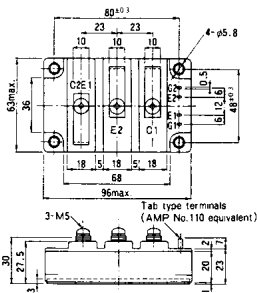
< 寸法图单位: mm >



《寸法図単位：mm》

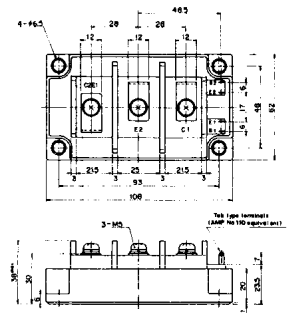
<http://store.iic.cc/>

M-213

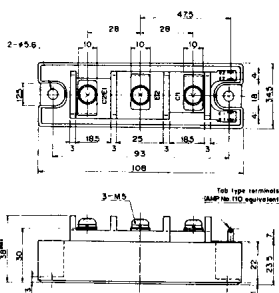


M-214

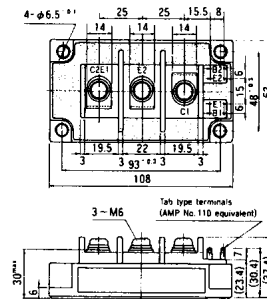
M-215



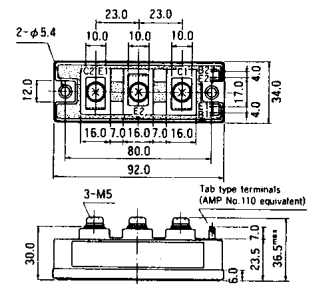
M-216



M-217



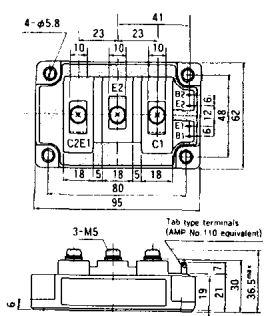
M-218



〈 寸法図単位:mm 〉

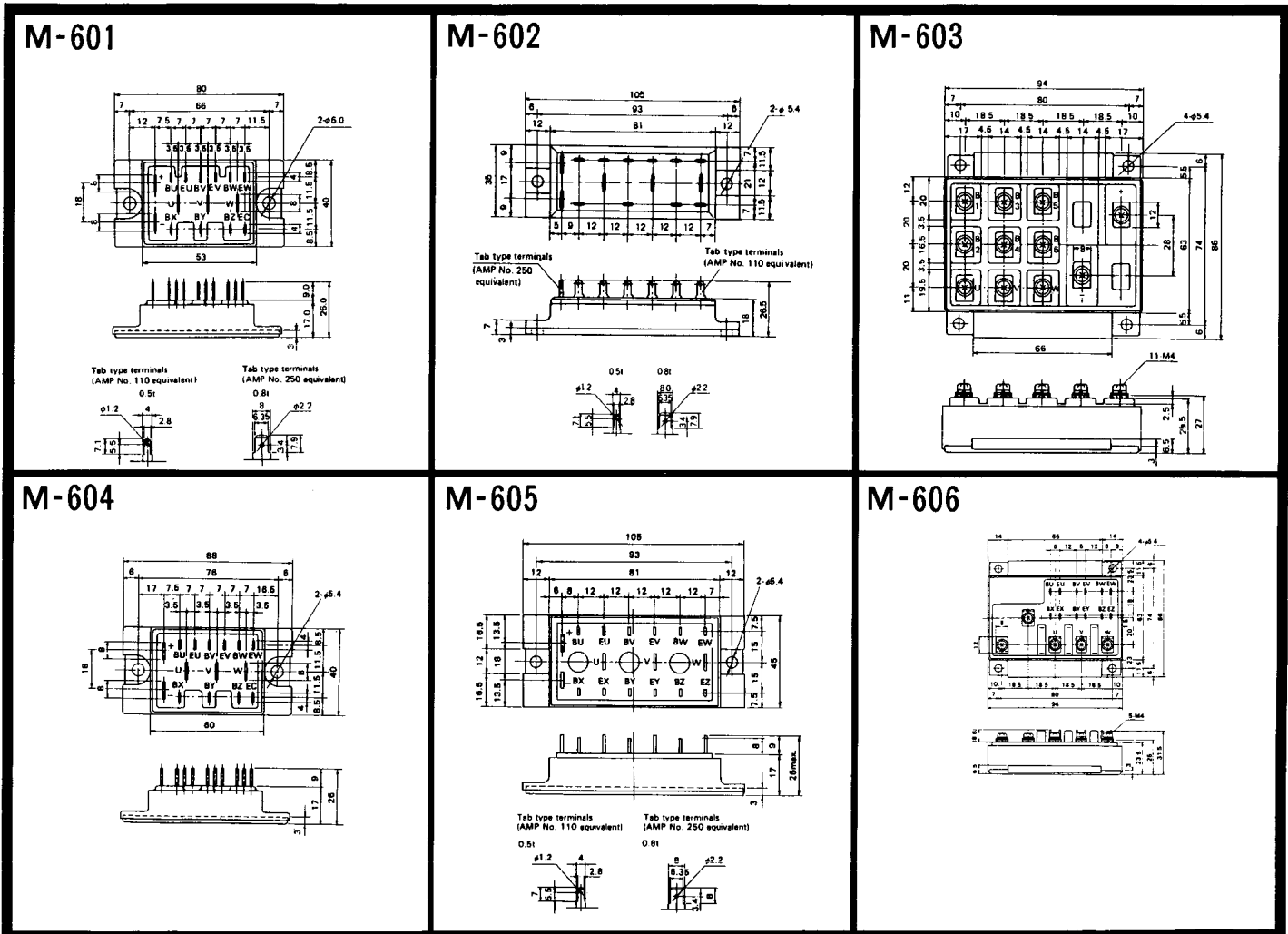
<http://store.iic.cc/>

M-219



<寸法図単位:mm>

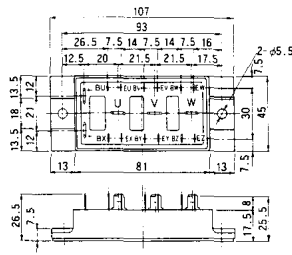
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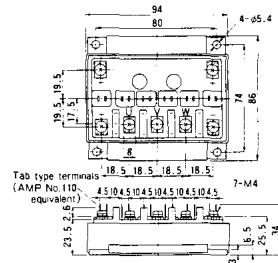
〈寸法図単位：mm〉

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

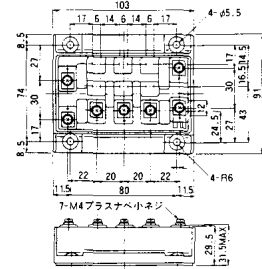
M-607



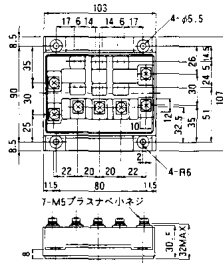
M-608



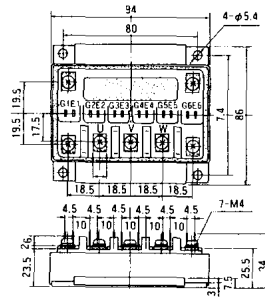
M-609



M-610

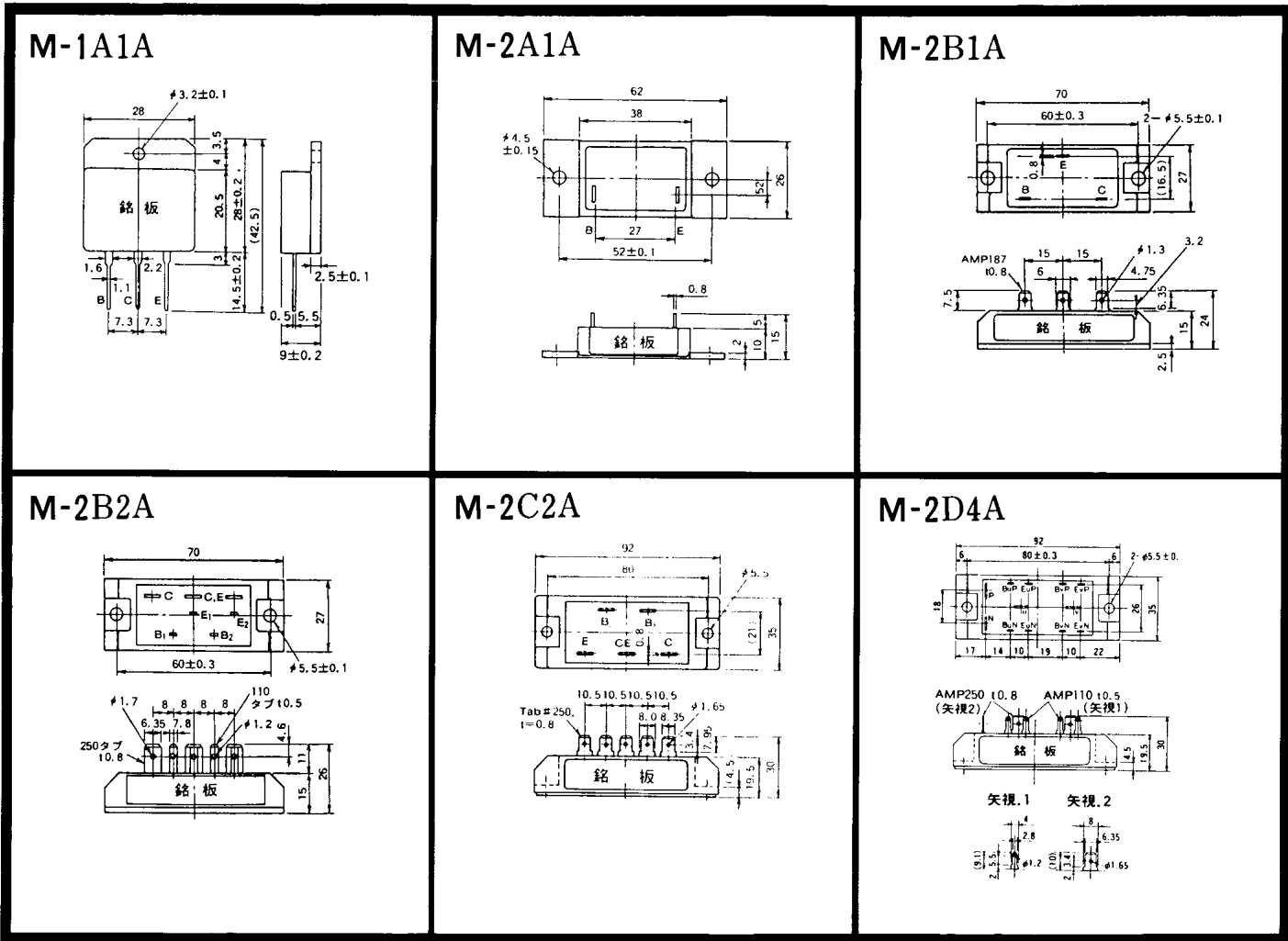


M-616



《寸法図単位:mm》

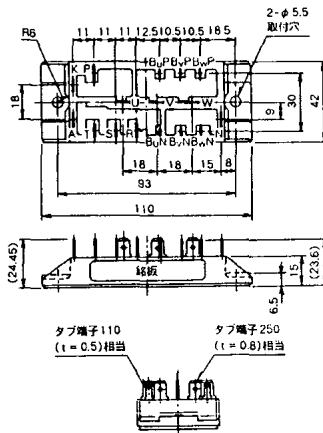
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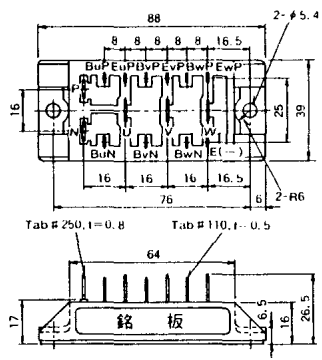
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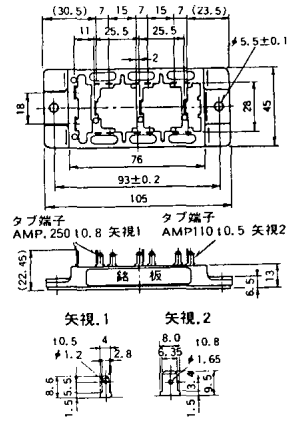
M-2E6A



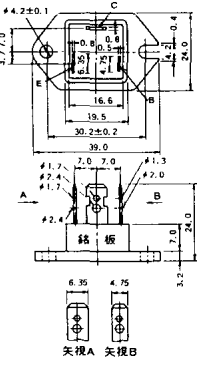
M-2F6A



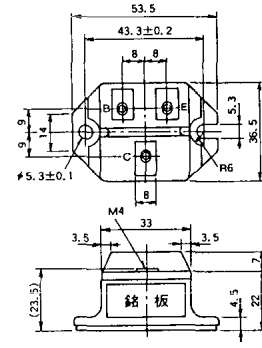
M-2G6A



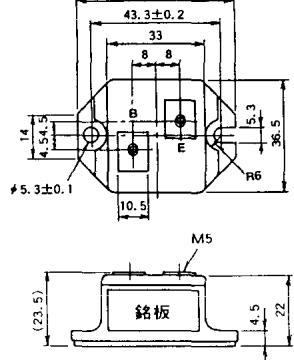
M-3A1A



M-3B1A



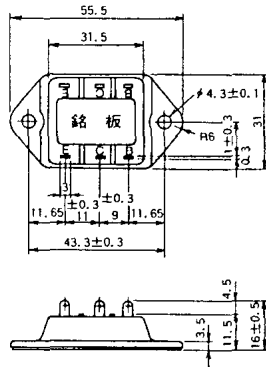
M-3B1B



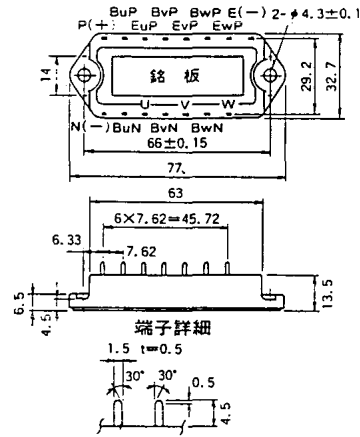
《寸法図単位:mm》

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

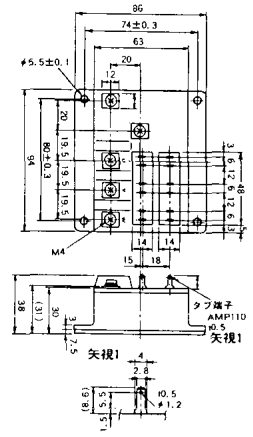
M-3C1A



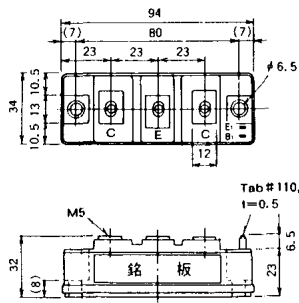
M-3D6A



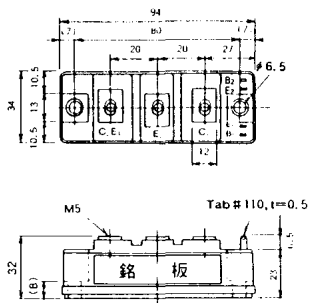
M-3E6A



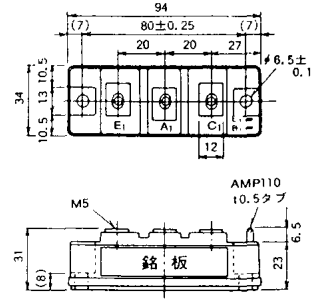
M-4A1A



M-4A2A



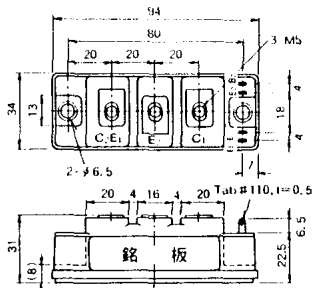
M-4A1B



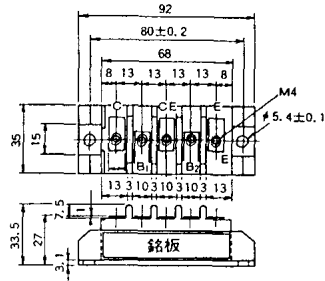
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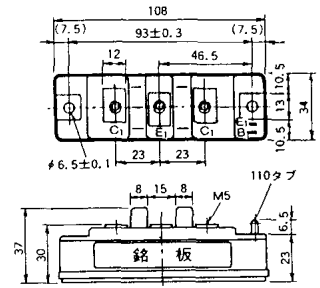
M-4A2B



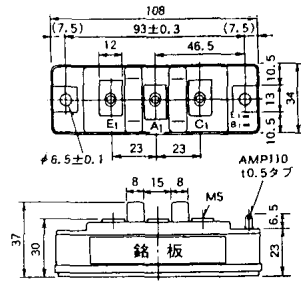
M-4B2A



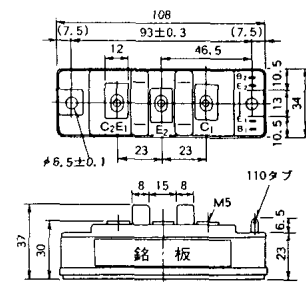
M-5A1A



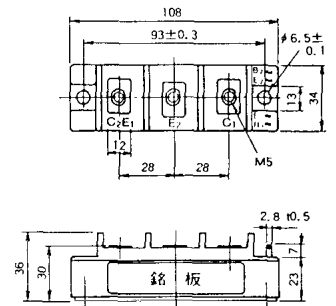
M-5A1B



M-5A2A

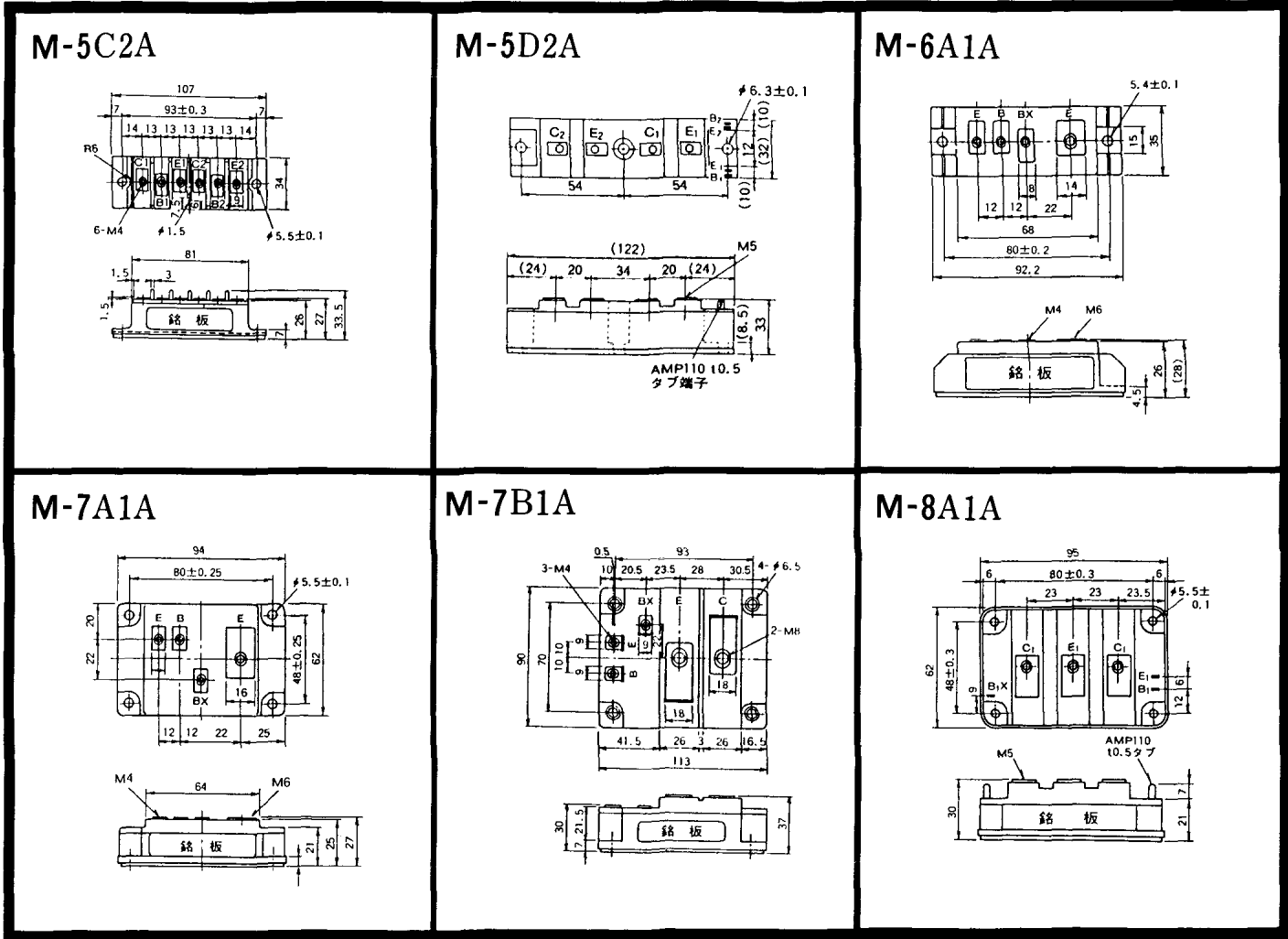


M-5B2A



《寸法図単位:mm》

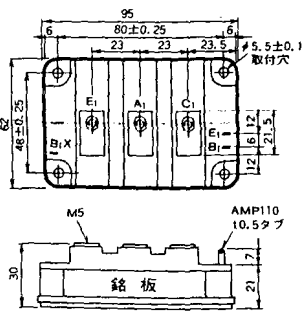
<http://store.iic.cc/>



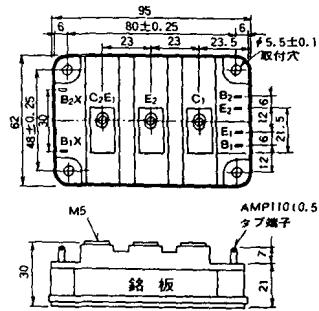
〈寸法図単位:mm〉

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

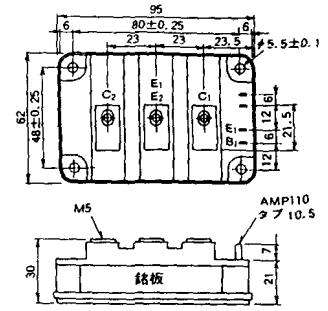
M-8A1B



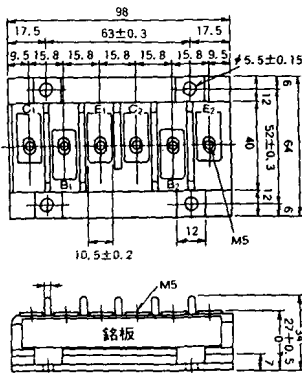
M-8A2A



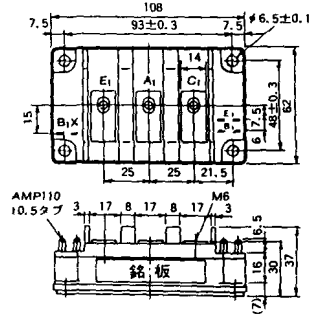
M-8A2B



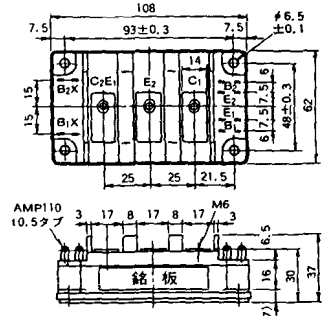
M-8B2A



M-9A1A

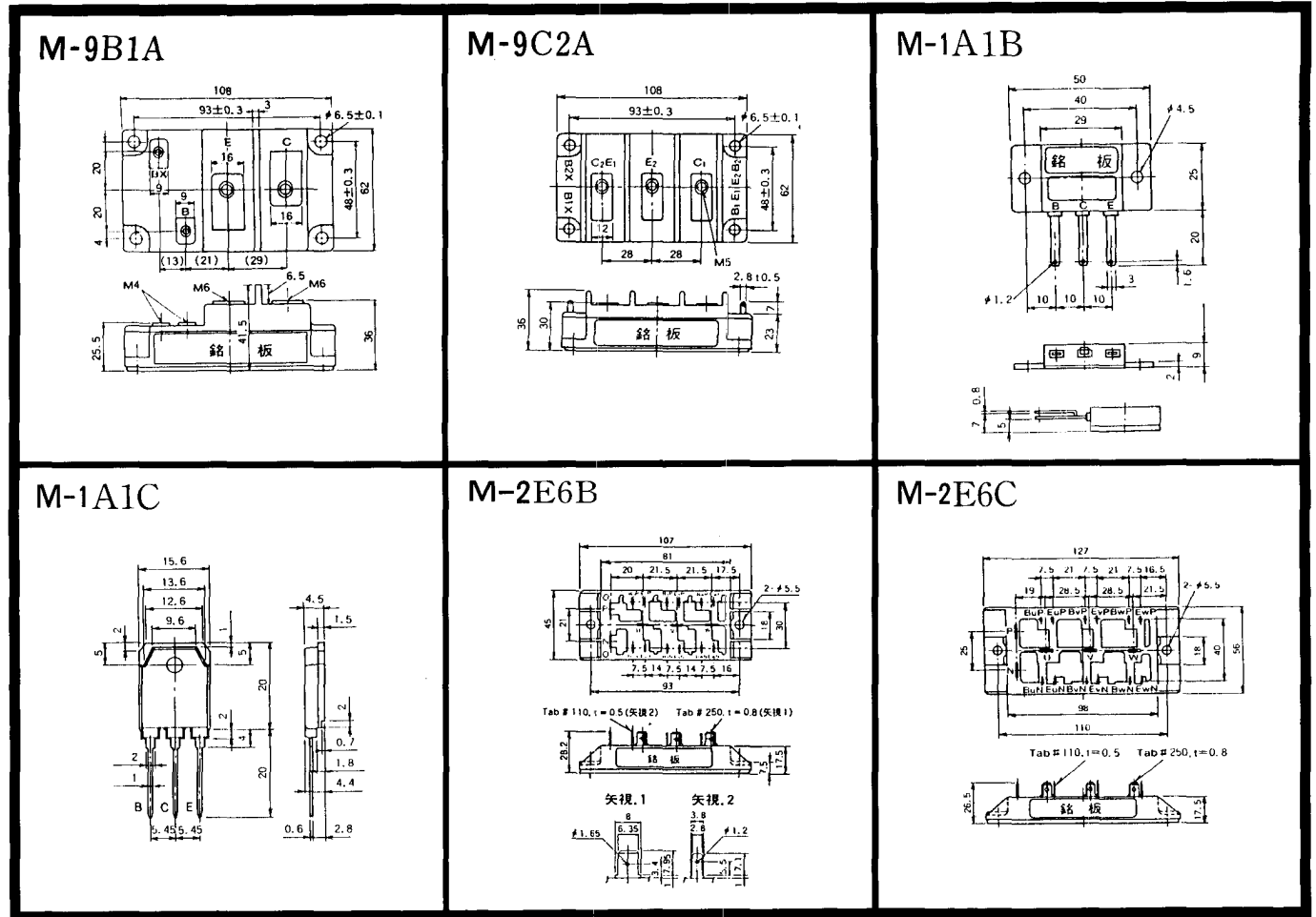


M-9A2A



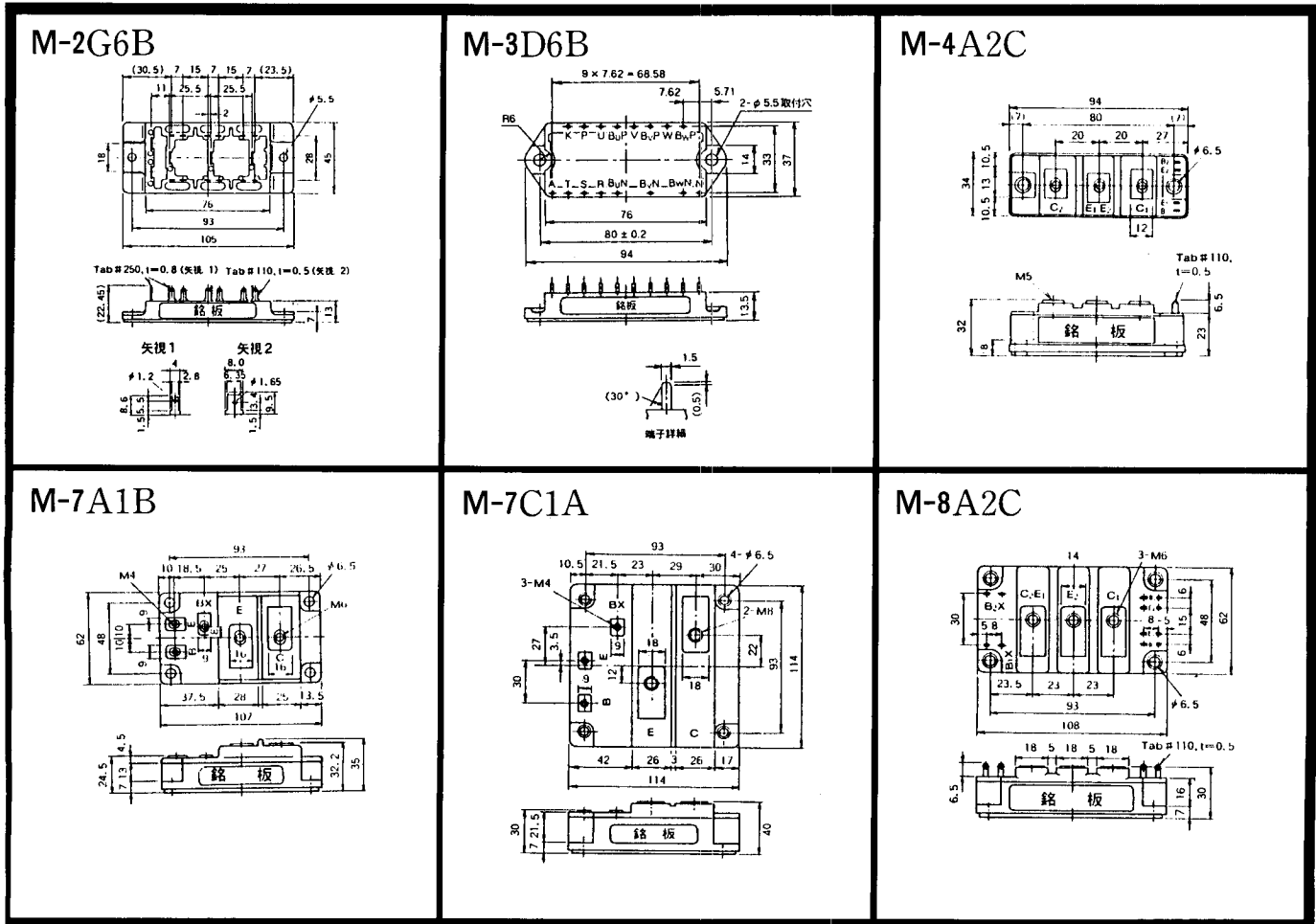
《寸法図単位:mm》

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



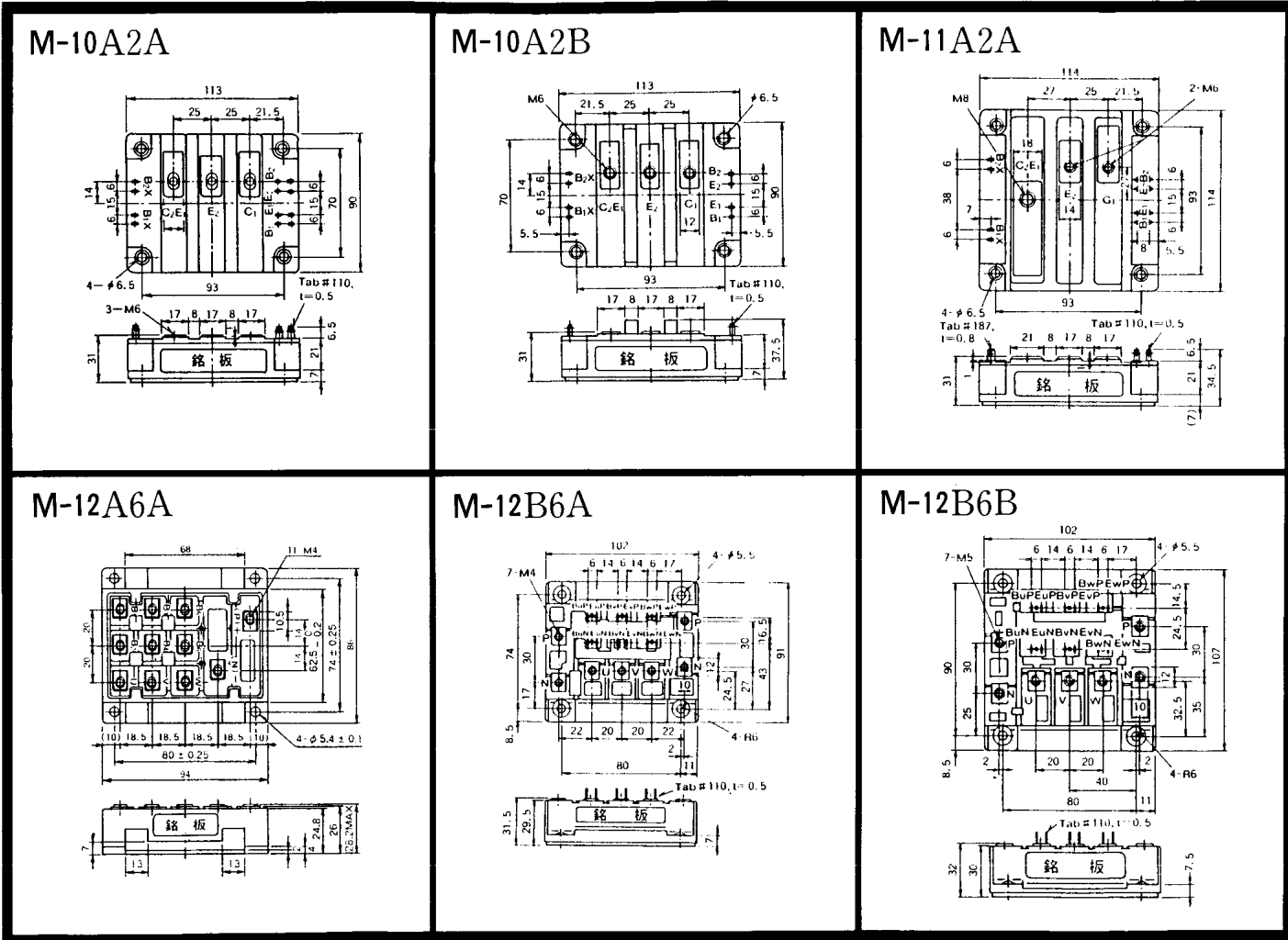
《寸法图单位:mm》

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



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

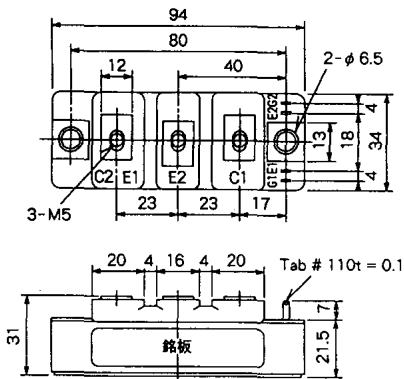
<寸法图单位: mm>



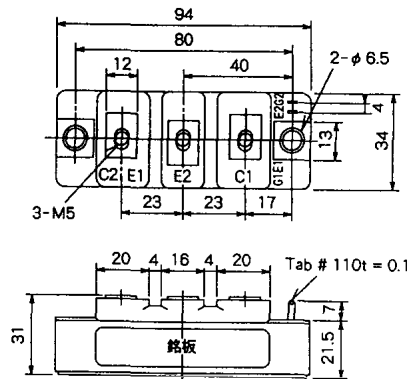
《寸法図単位：mm》

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

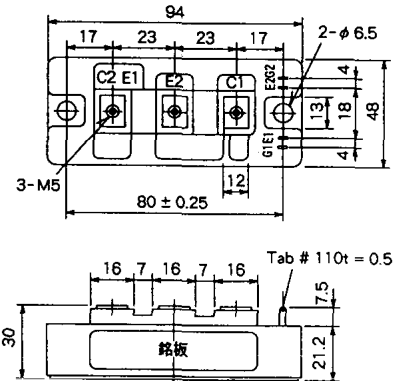
M-4A2D



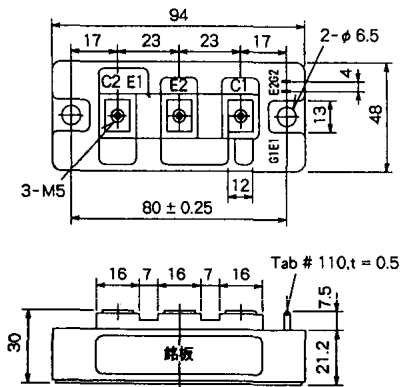
M-4A2E



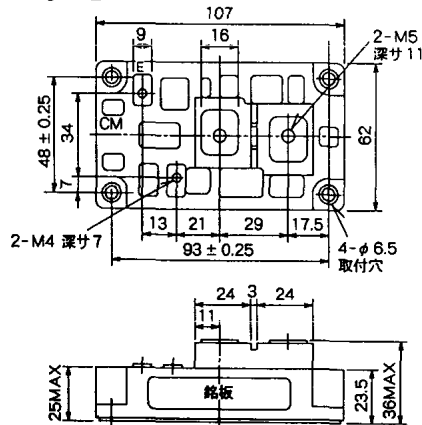
M-4C2A



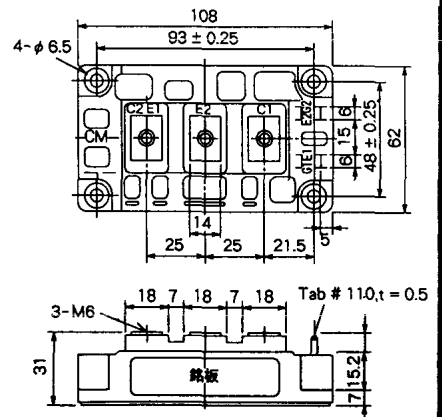
M-4C2B



M-9B1C

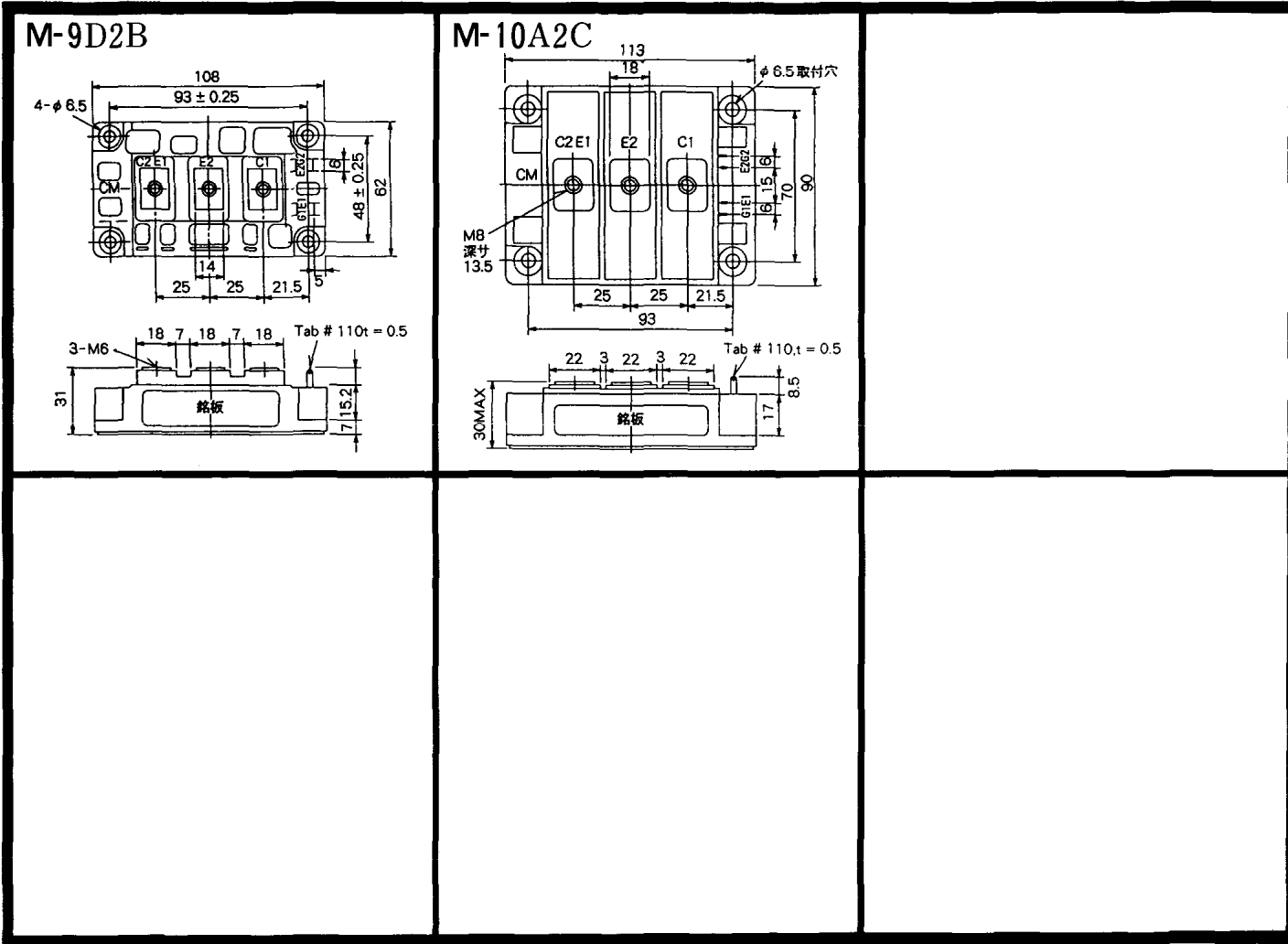


M-9D2A



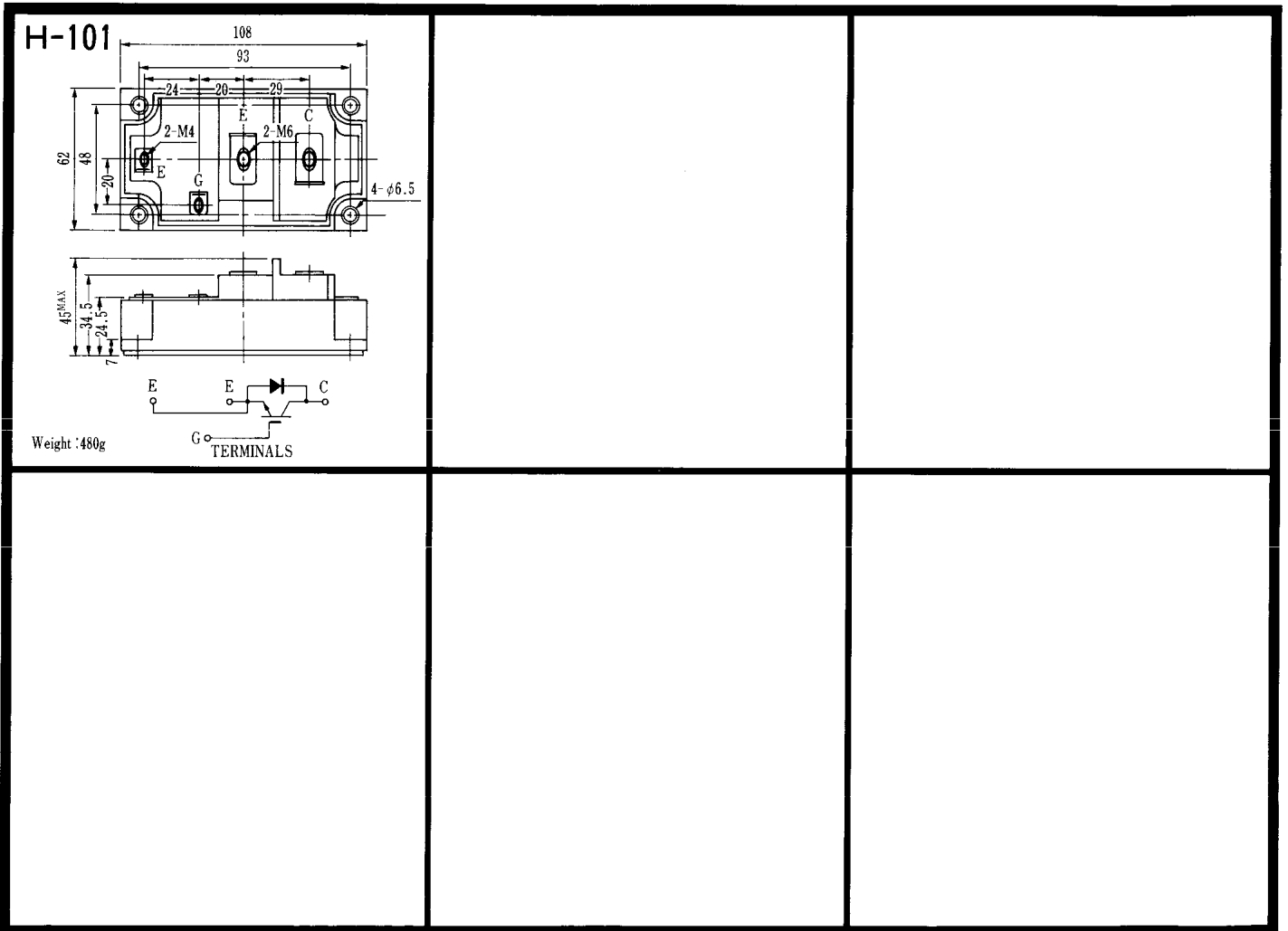
〈寸法図単位：mm〉

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



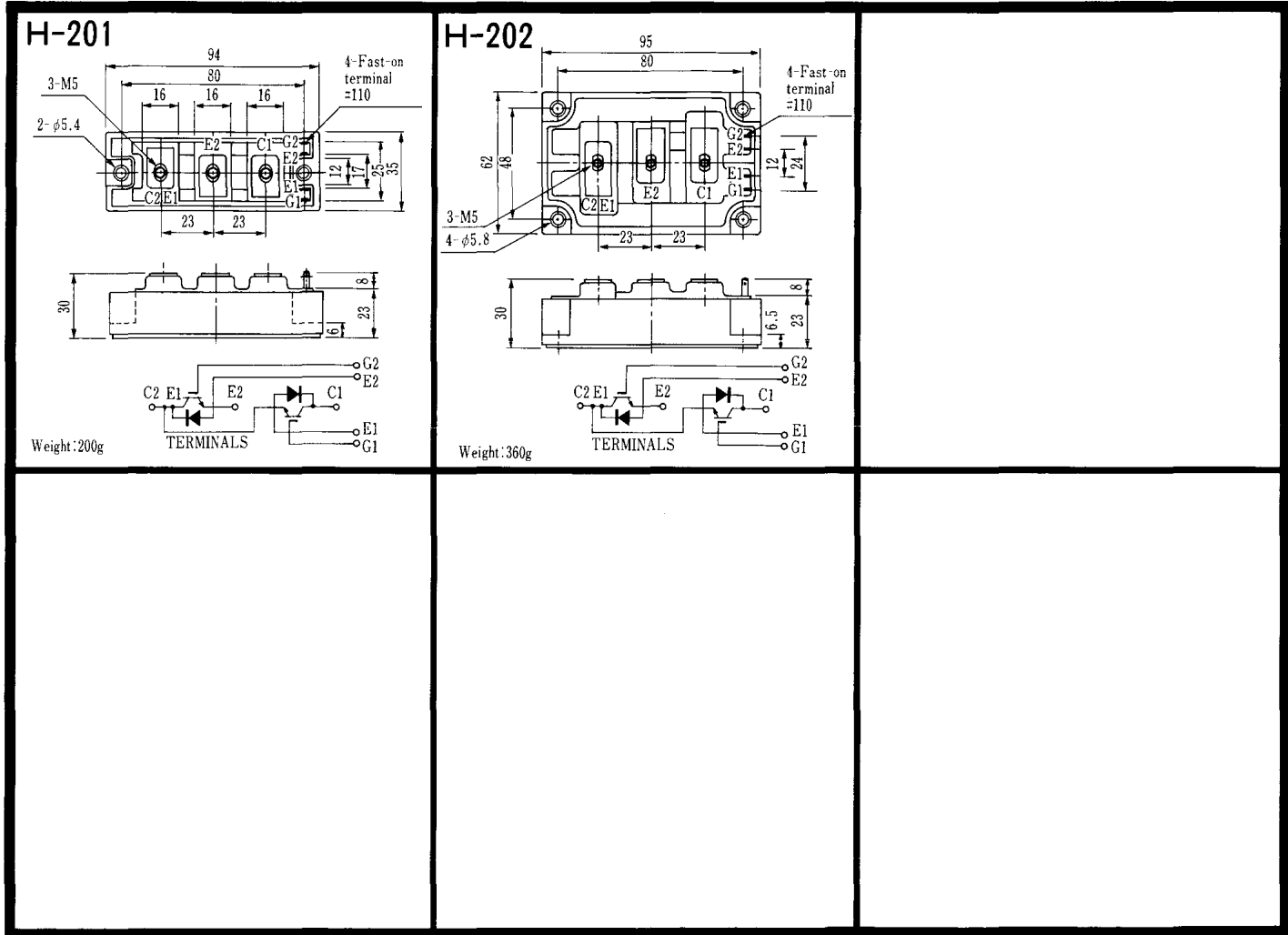
〈寸法図単位：mm〉

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



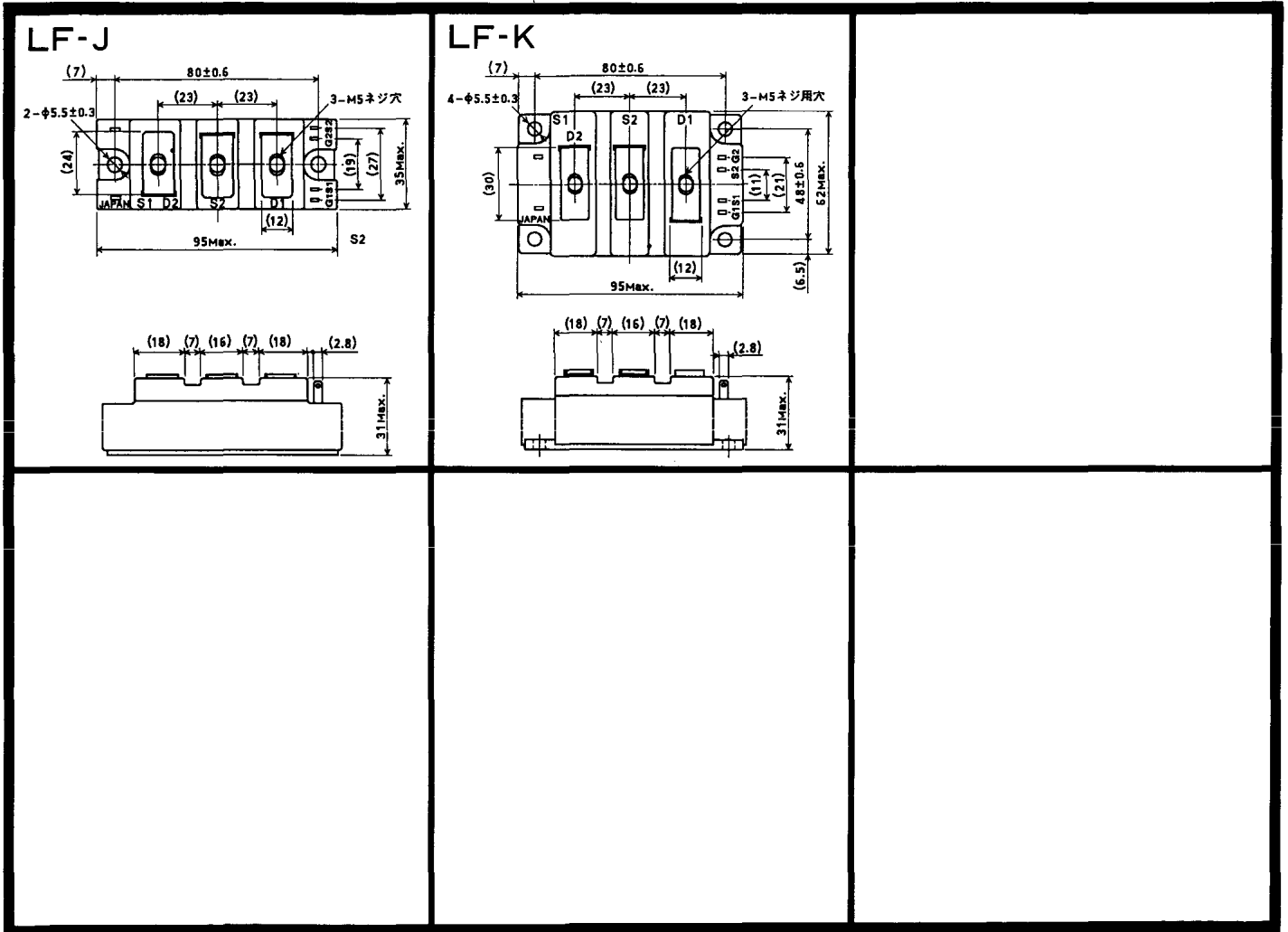
<http://store.iic.cc/>

《寸法图单位:mm》



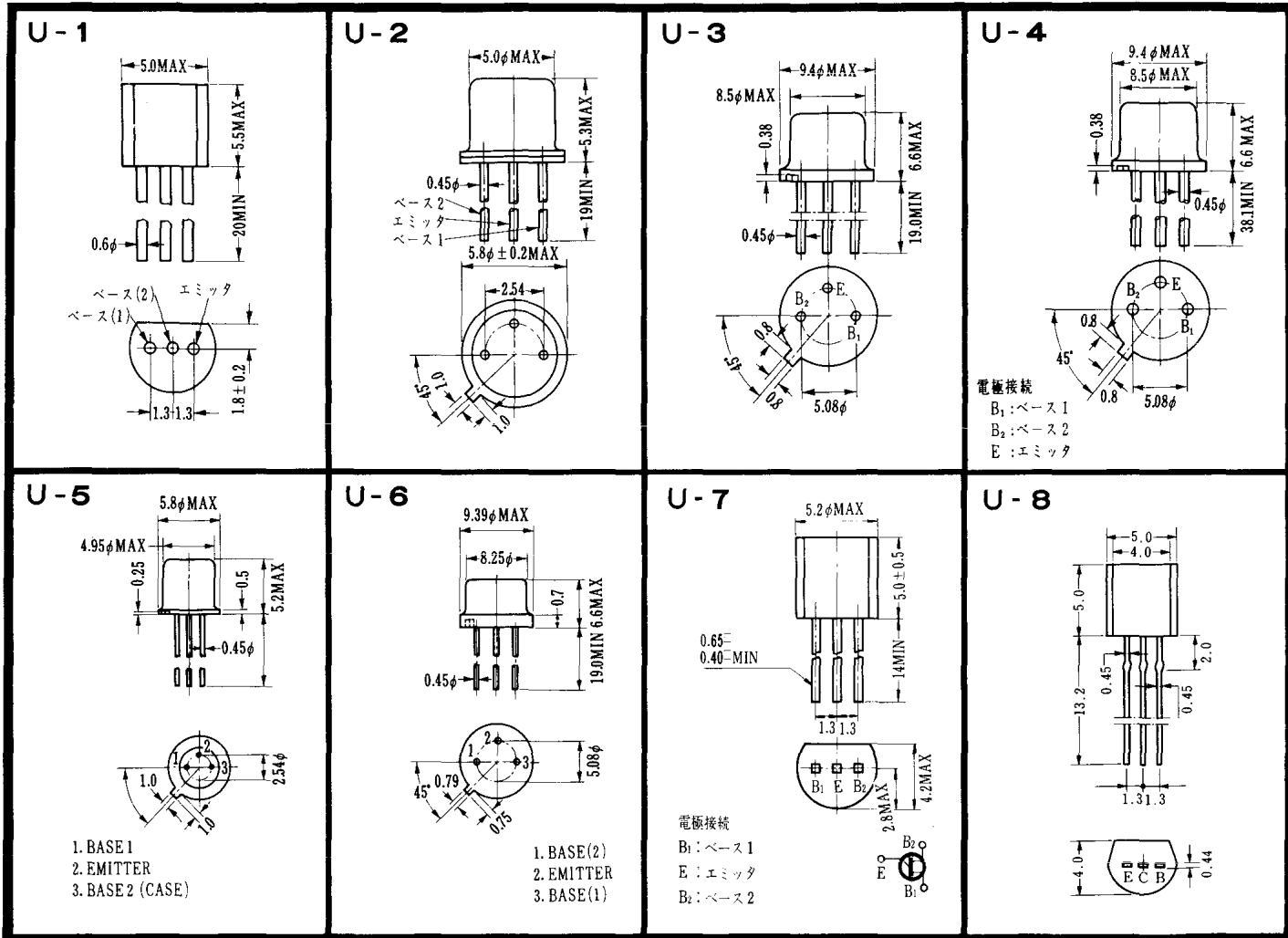
〈寸法図単位:mm〉

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〈寸法図単位：mm〉

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



〈寸法図単位: mm〉

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