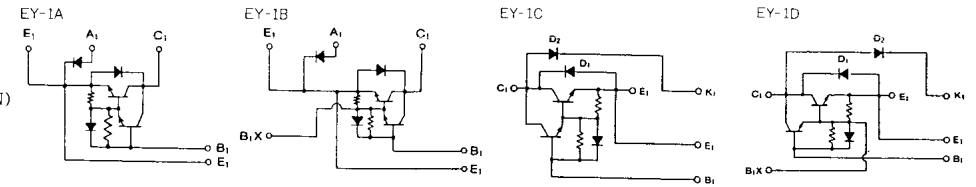


トランジスタ・モジュール [NPN, 1アーム (DCチョップ用)]

- 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

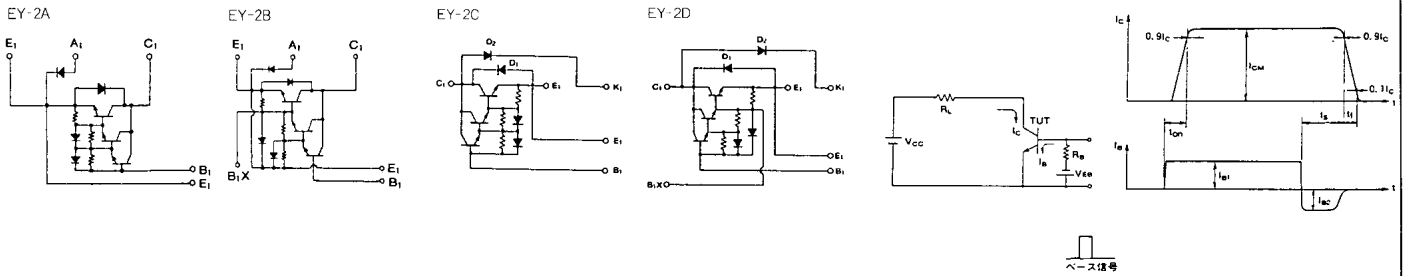


注1. $I_c = 1A$, $V_{EB} = 2V$, #印は V_{CEX} ($V_{EB} = 2V$)。 注2. 60Hz, 単相半波1サイクル波高値。 注3. $T_c = 25^\circ C$ 。 注4. AC, 1分間。

型名	最大定格 (T _J = 25°C)										電気的特性										
	V _{CEO}	V _{CEX (SUS)}	V _{EB0}	I _c	I _B	I _F	I _{FM}	P _C	T _J	T _{stg}	V _{ESD}	I _{CEX} (mA)		I _{EB0} (mA)		V _{CE0 (SUS)} (V)		h _{FE}			
	(V)	(注1) (V)	(V)	(A)	(A)	(A)	(注2) (A)	(注3) (W)	(°C)	(°C)	(注4) (V)	最大	V _{CE} (V)	V _{EB} (V)	最大	V _{EB} (V)	最小	I _c (A)	最小	V _{CE} (V)	I _c (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

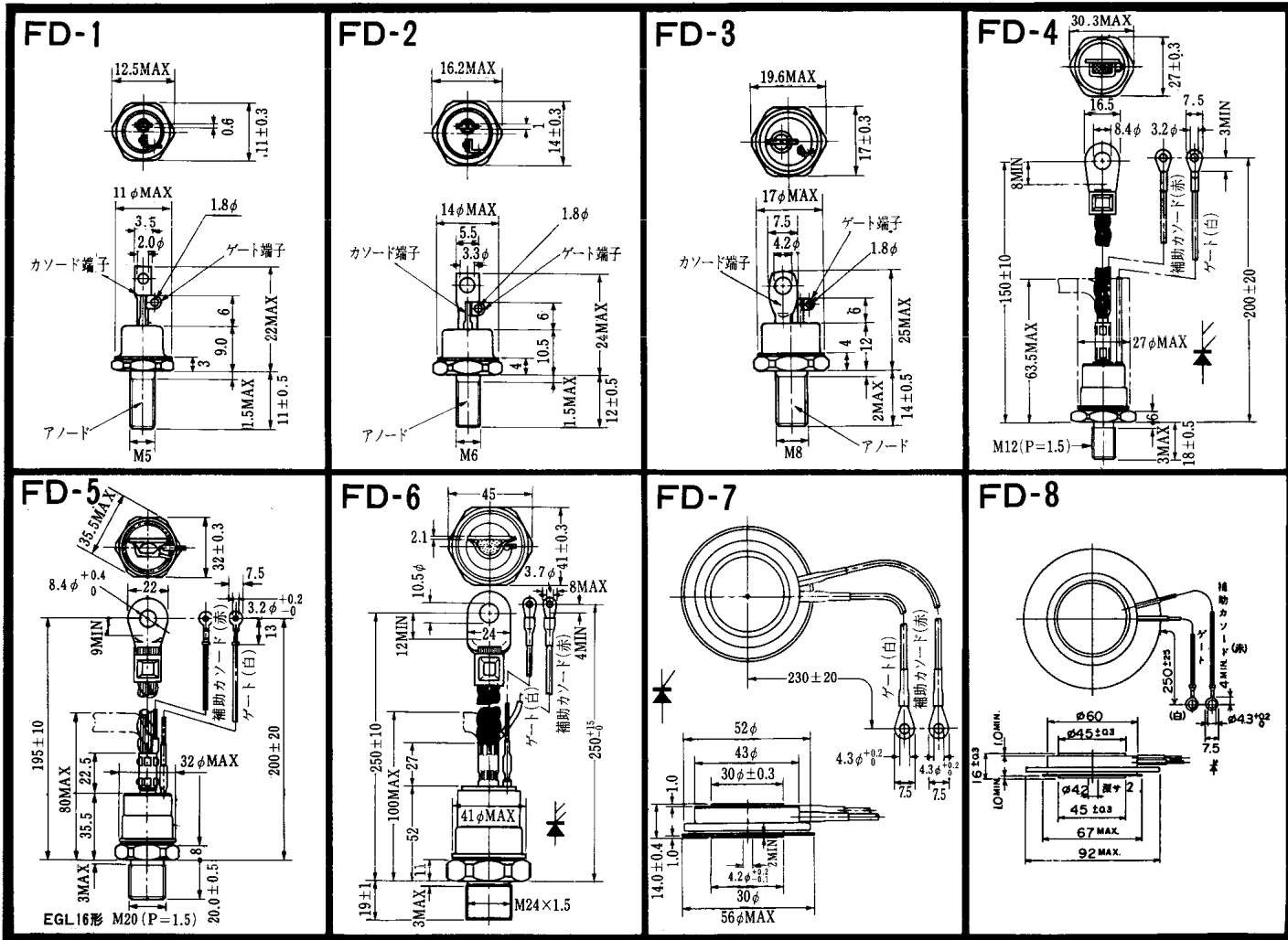
<http://store.iic.cc/>

■スイッチング時間測定回路



(T _J =25°C)										エミッタ・コレクタ間ダイオード					熱抵抗		等価回路	外形図	記 事	型 名		
飽和電圧 (V)		I _c (A)	I _B (A)	スイッチング時間 (μs)			I _{B1} (A)	I _{B2} (A)	V _{CC} (V)	I _c (A)	V _F (V)	I _F (A)	t _{rr} (μs)	I _F (A)	V _R (V)	di/dt (A/μs)					θ _{J-c} (°C/W)	
V _{CE} 最大	V _{BE} 最大			t _{on} 最大	t _{trf} 最大	t _r 最大															トランジスタ部 最大	タイラド部 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	

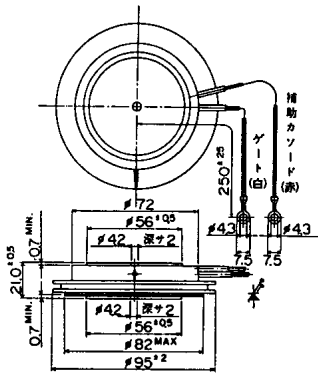
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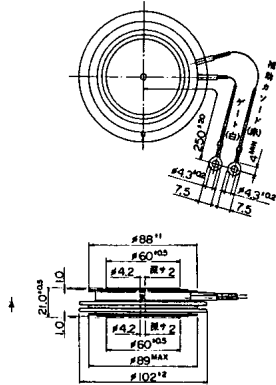
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〈寸法図単位:mm〉

FD-9

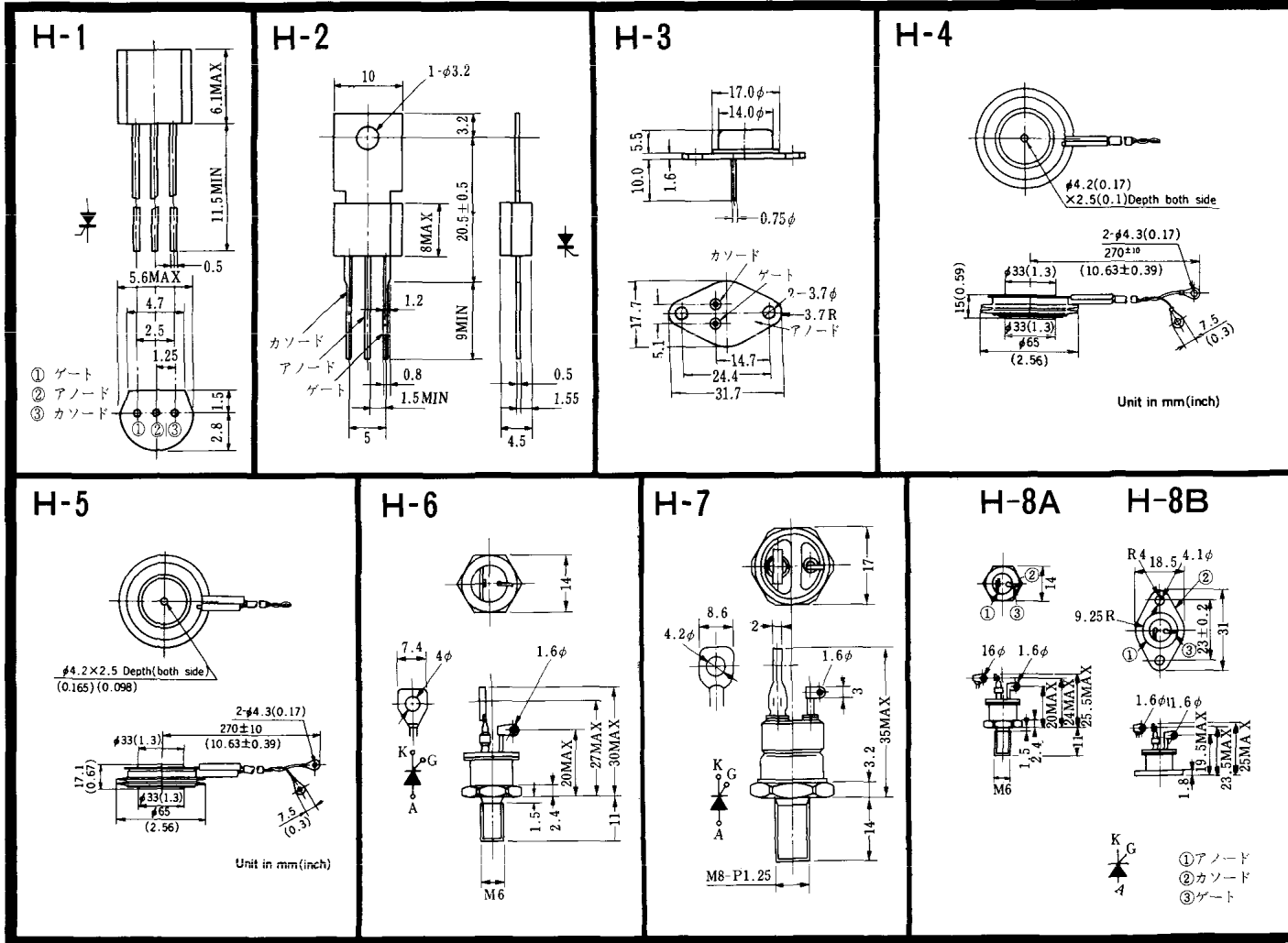


FD-10

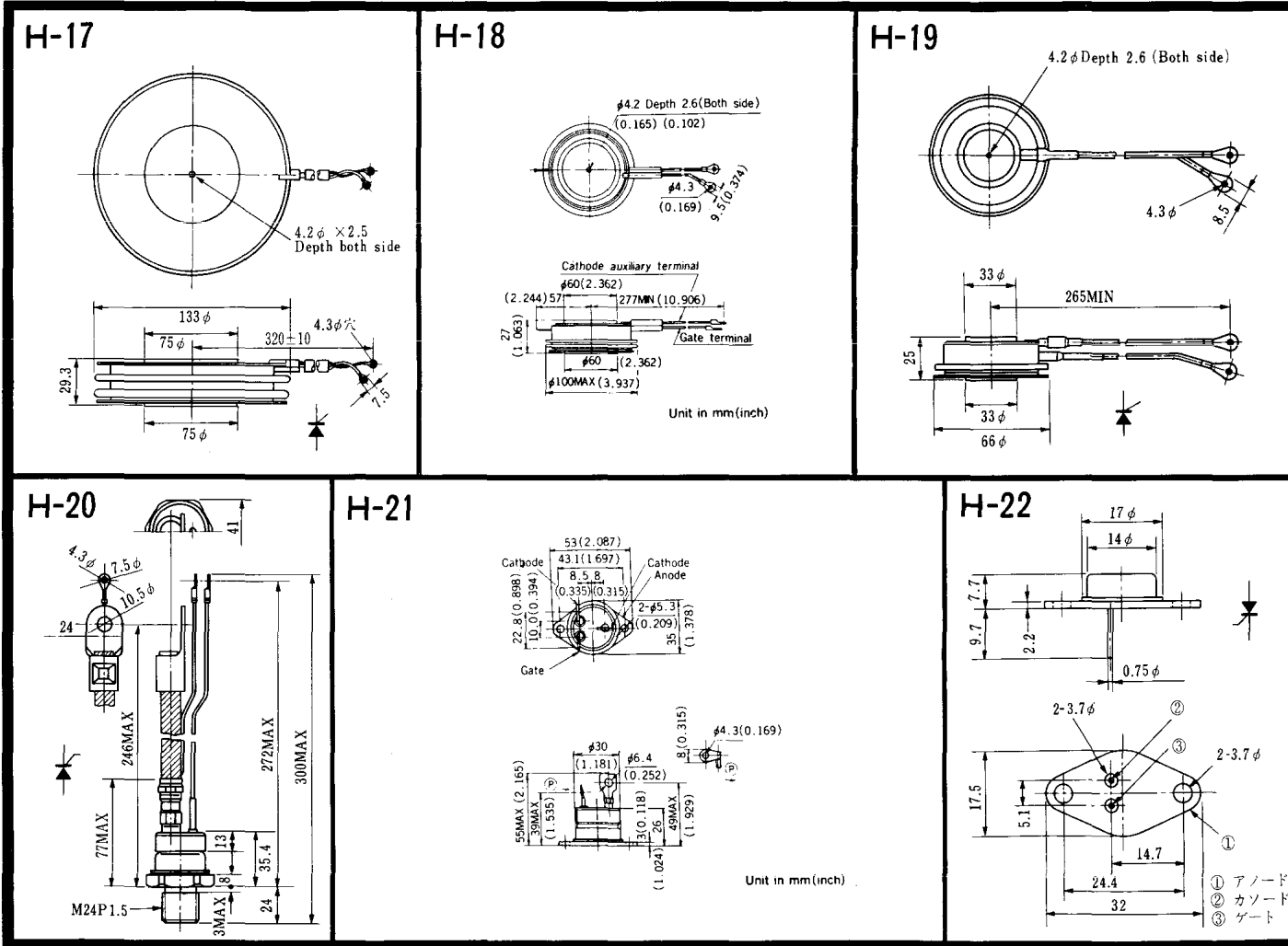


FD-11

FD-12

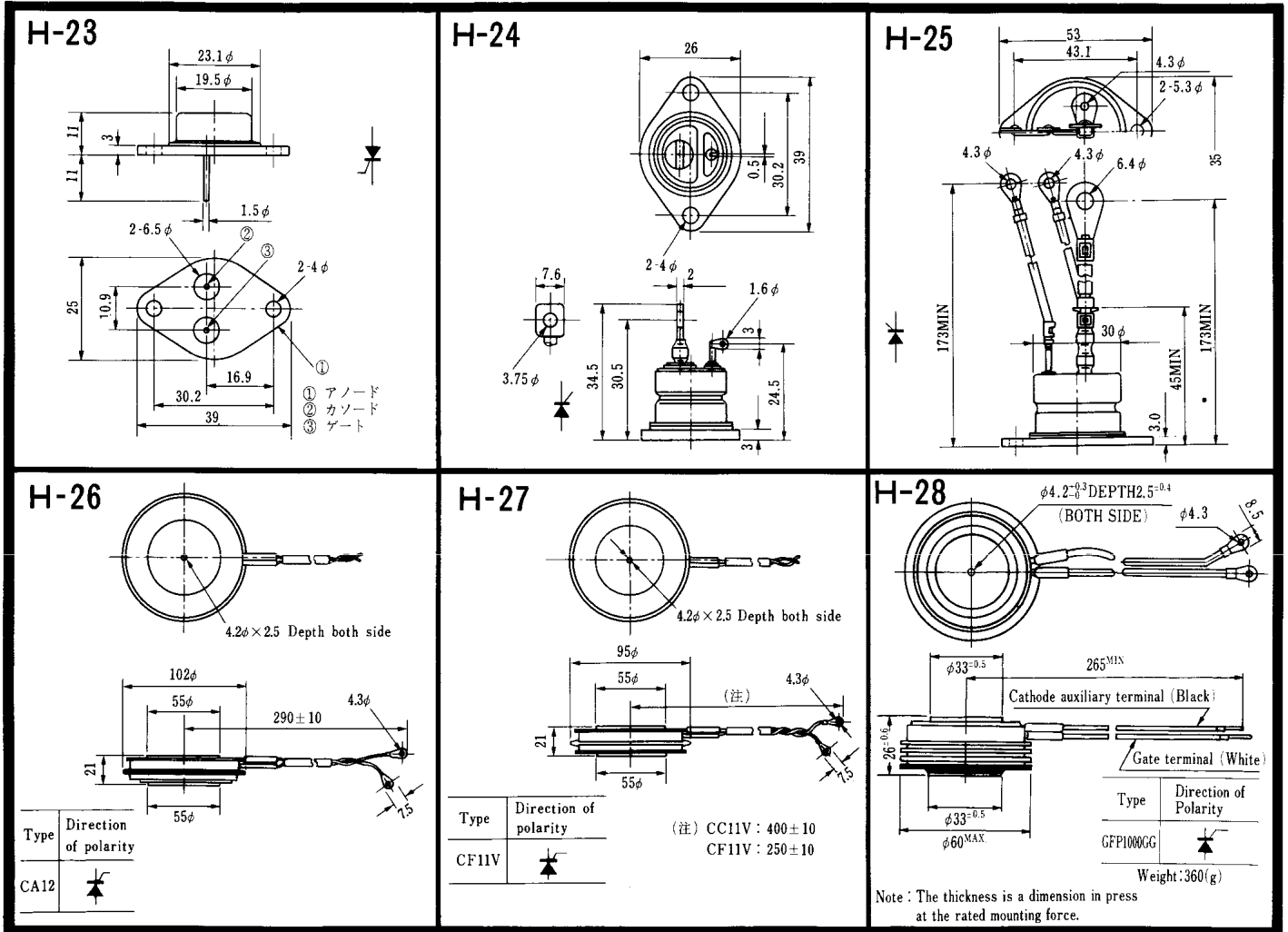


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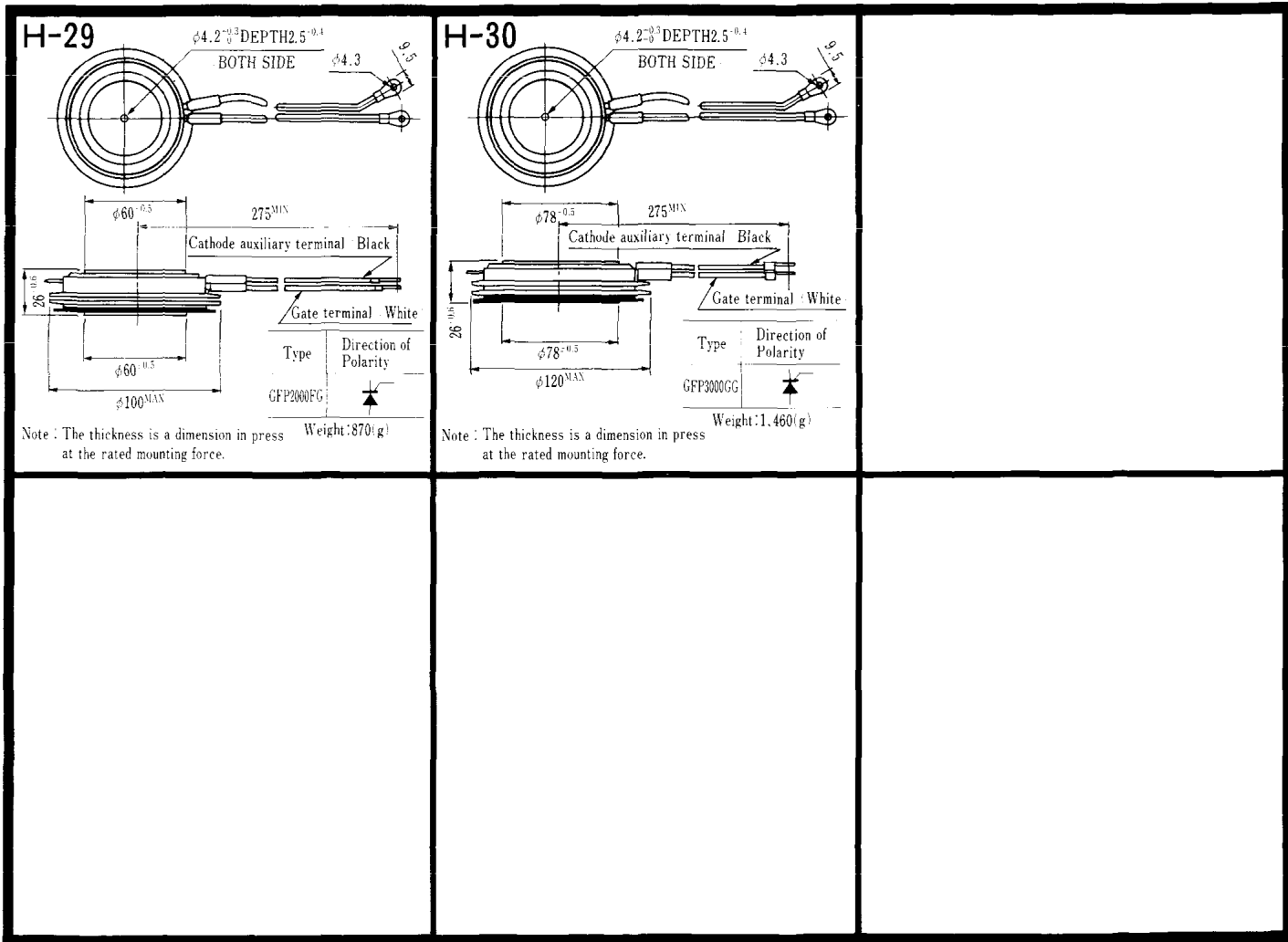
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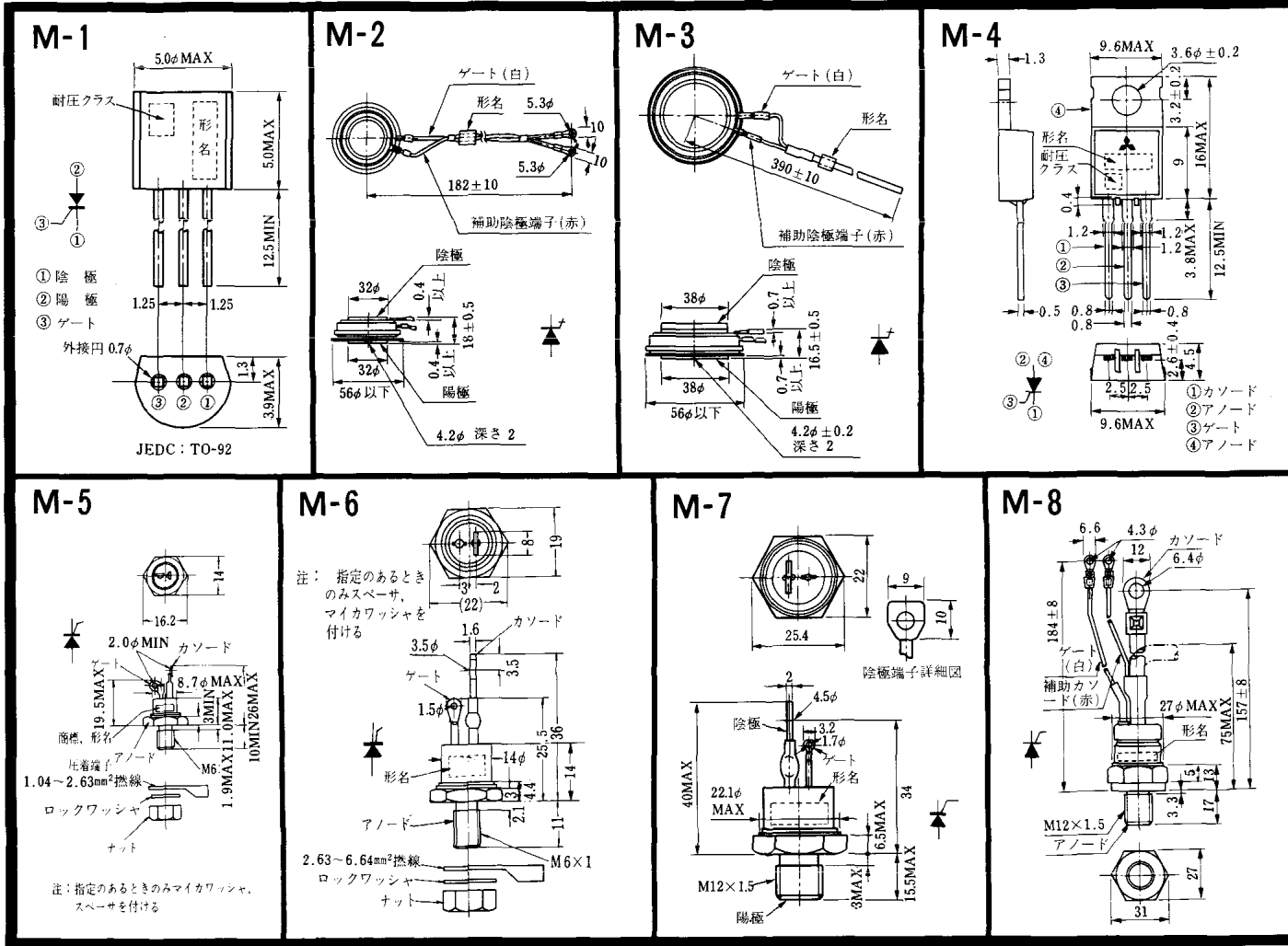
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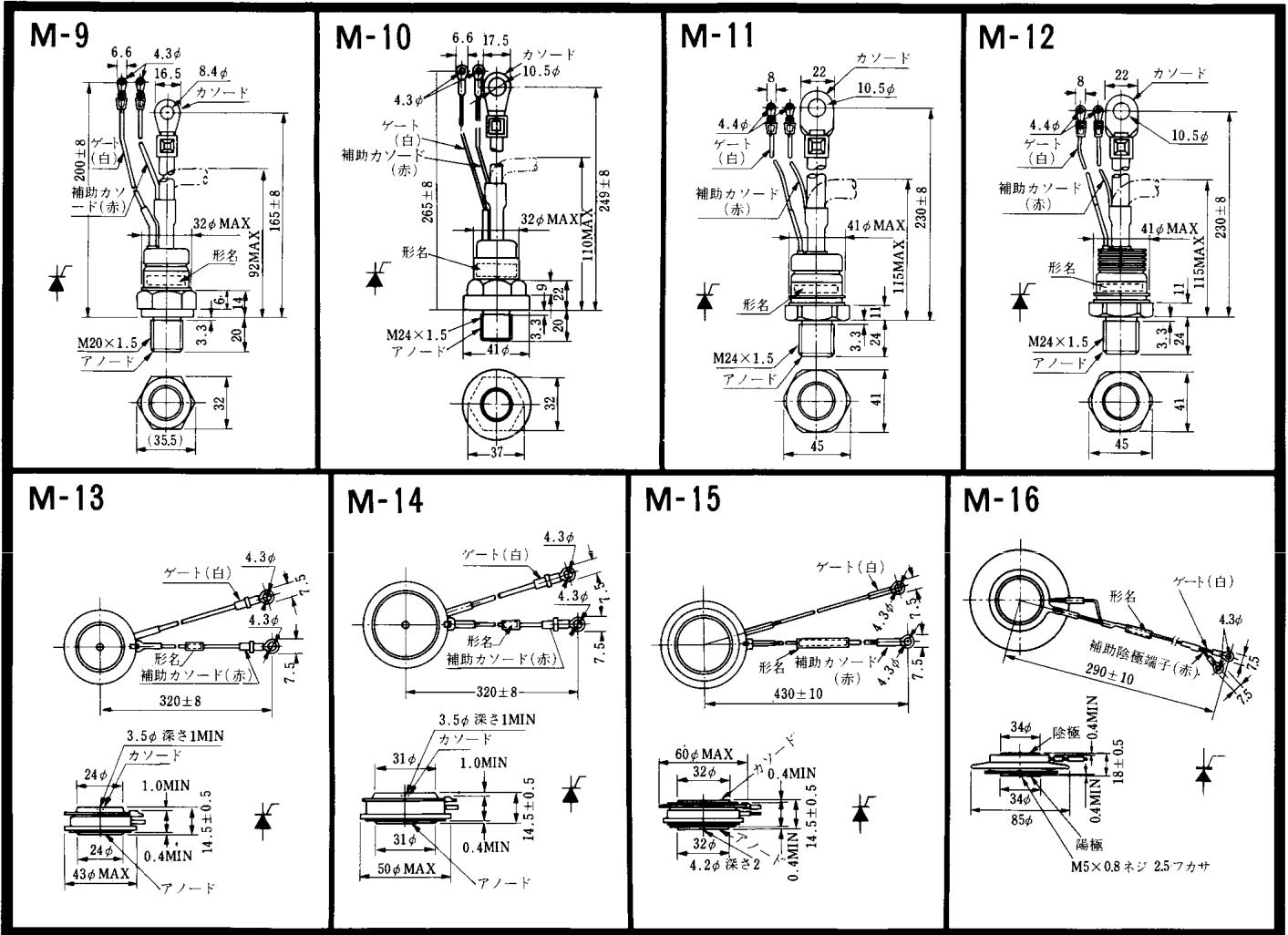
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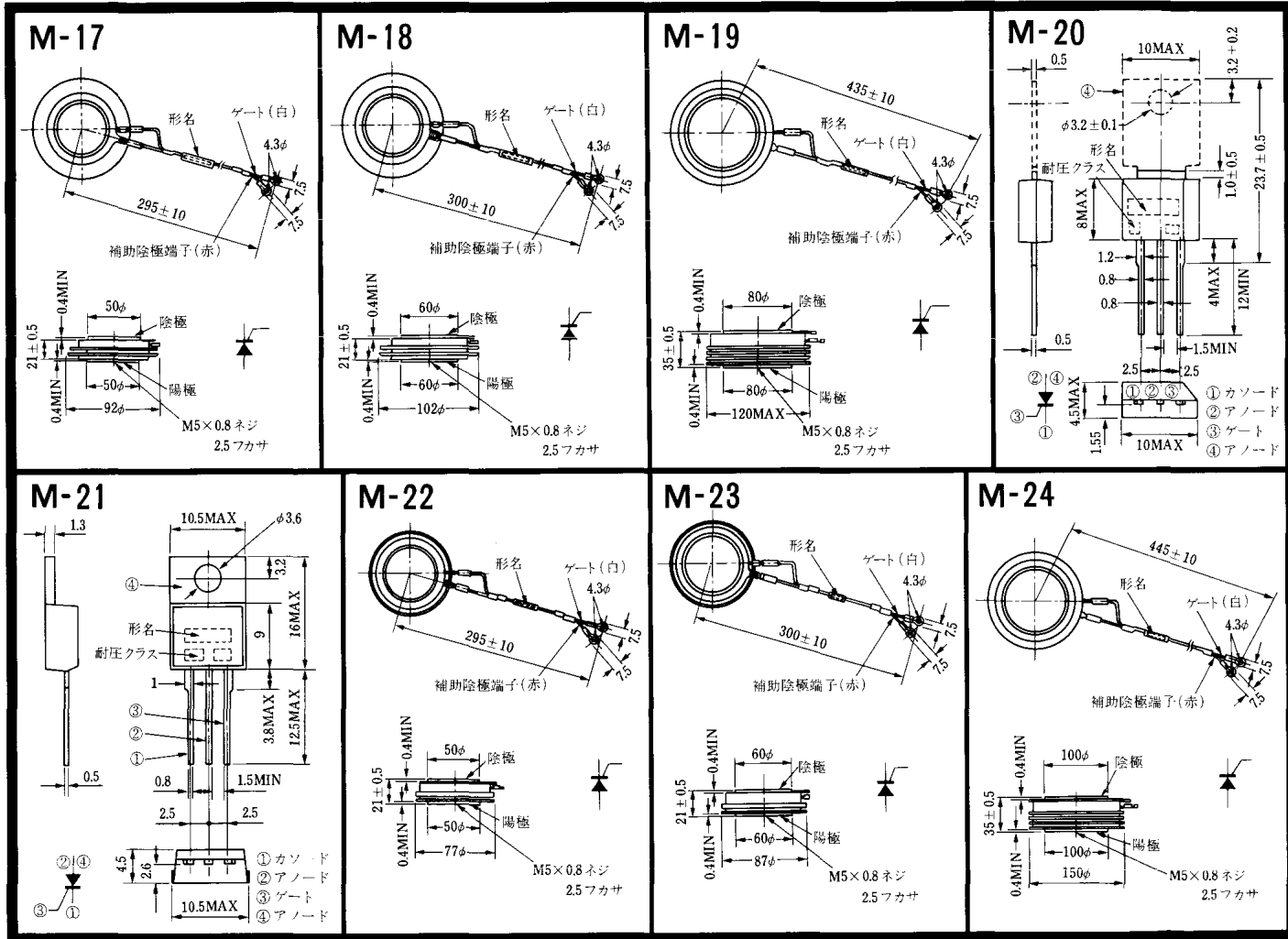
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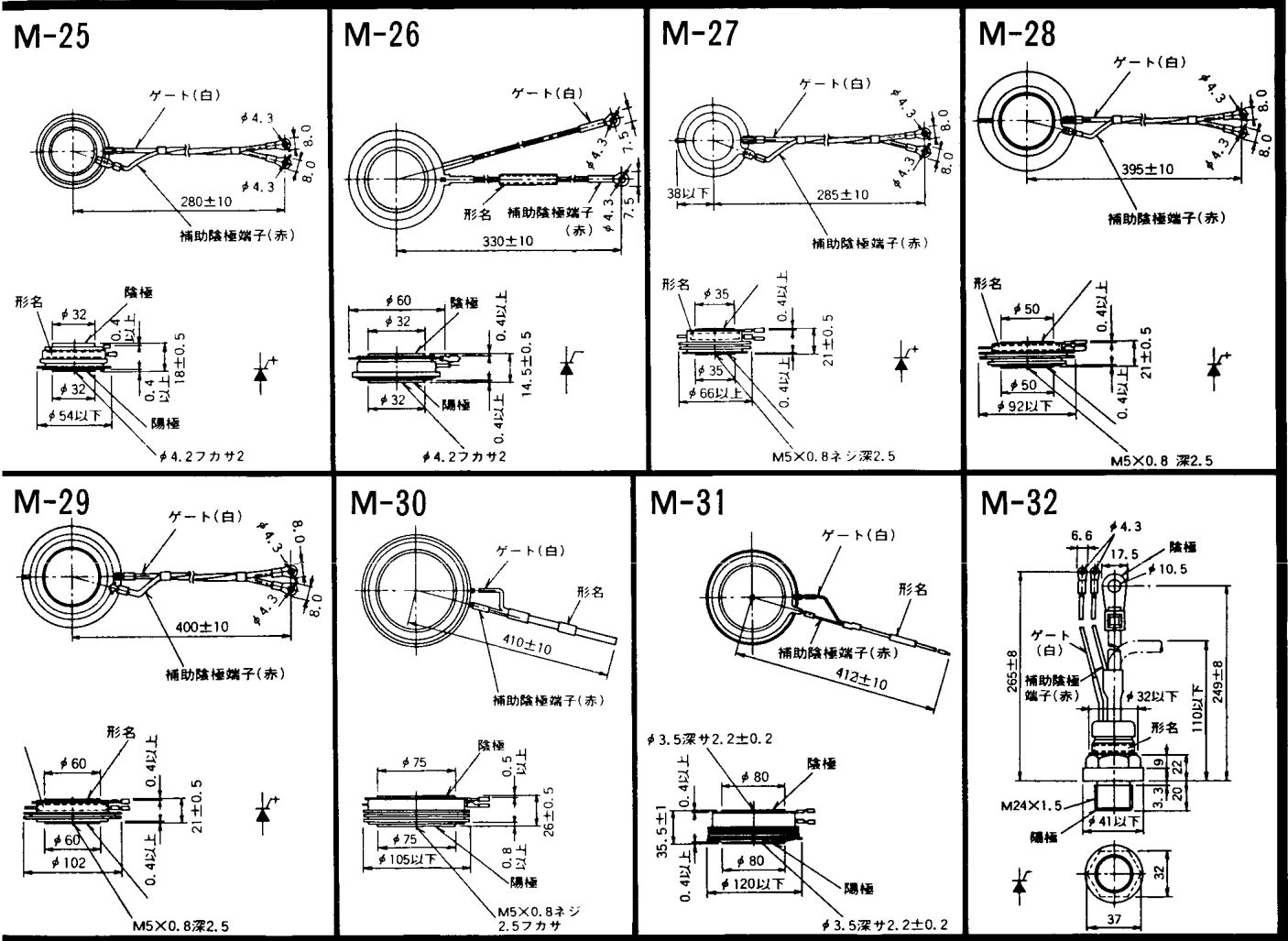
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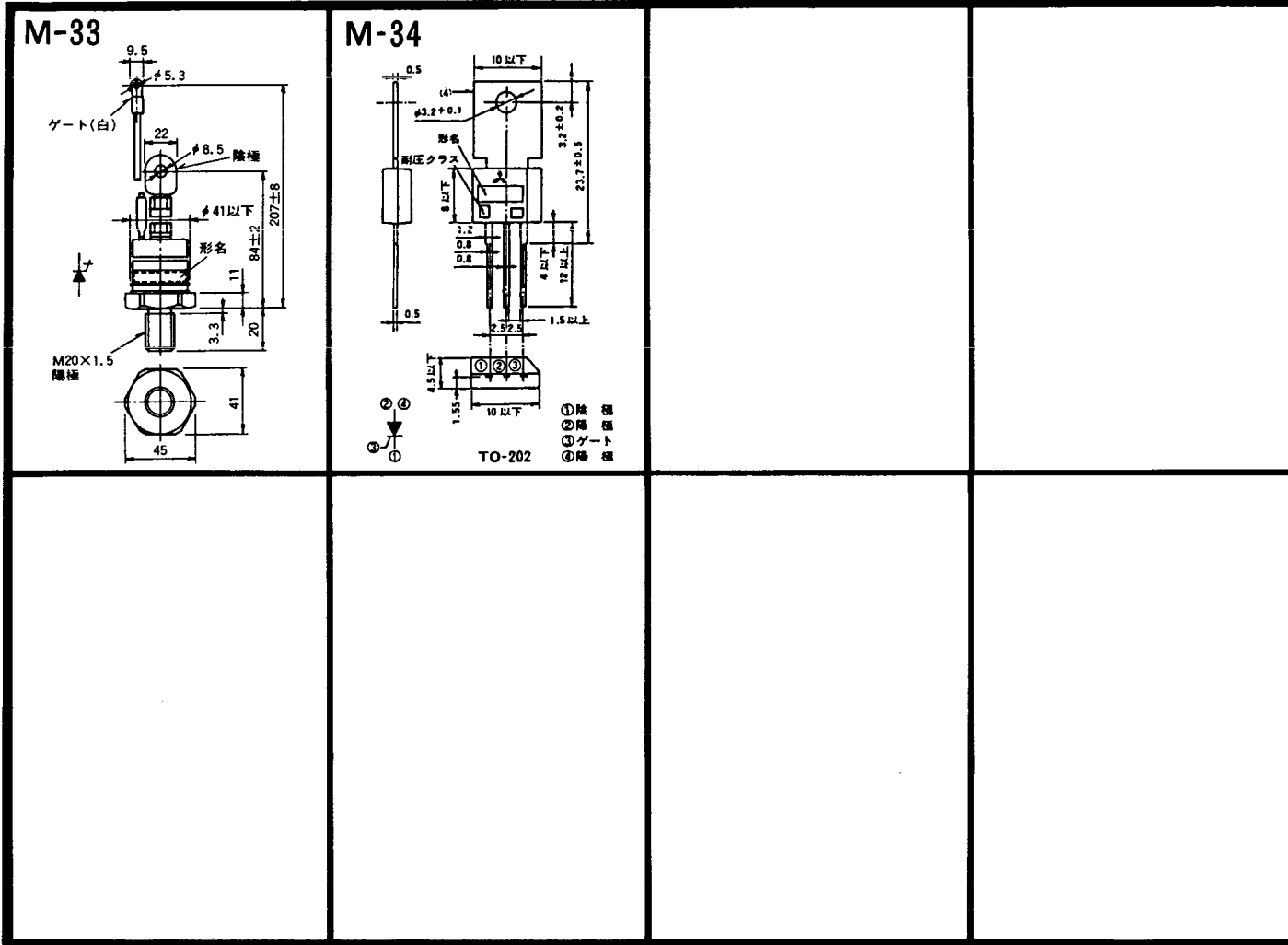
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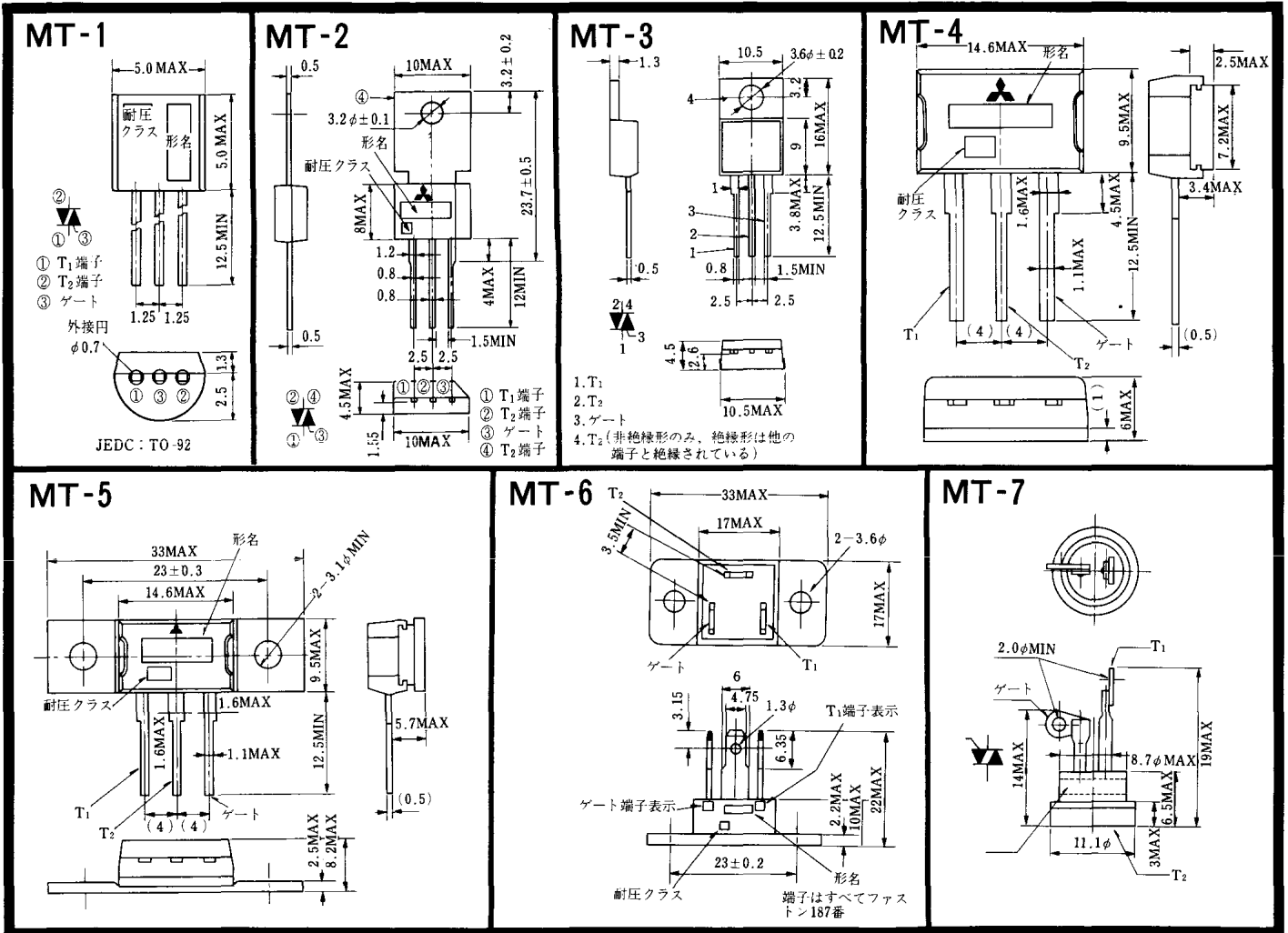


《寸法図単位：mm》

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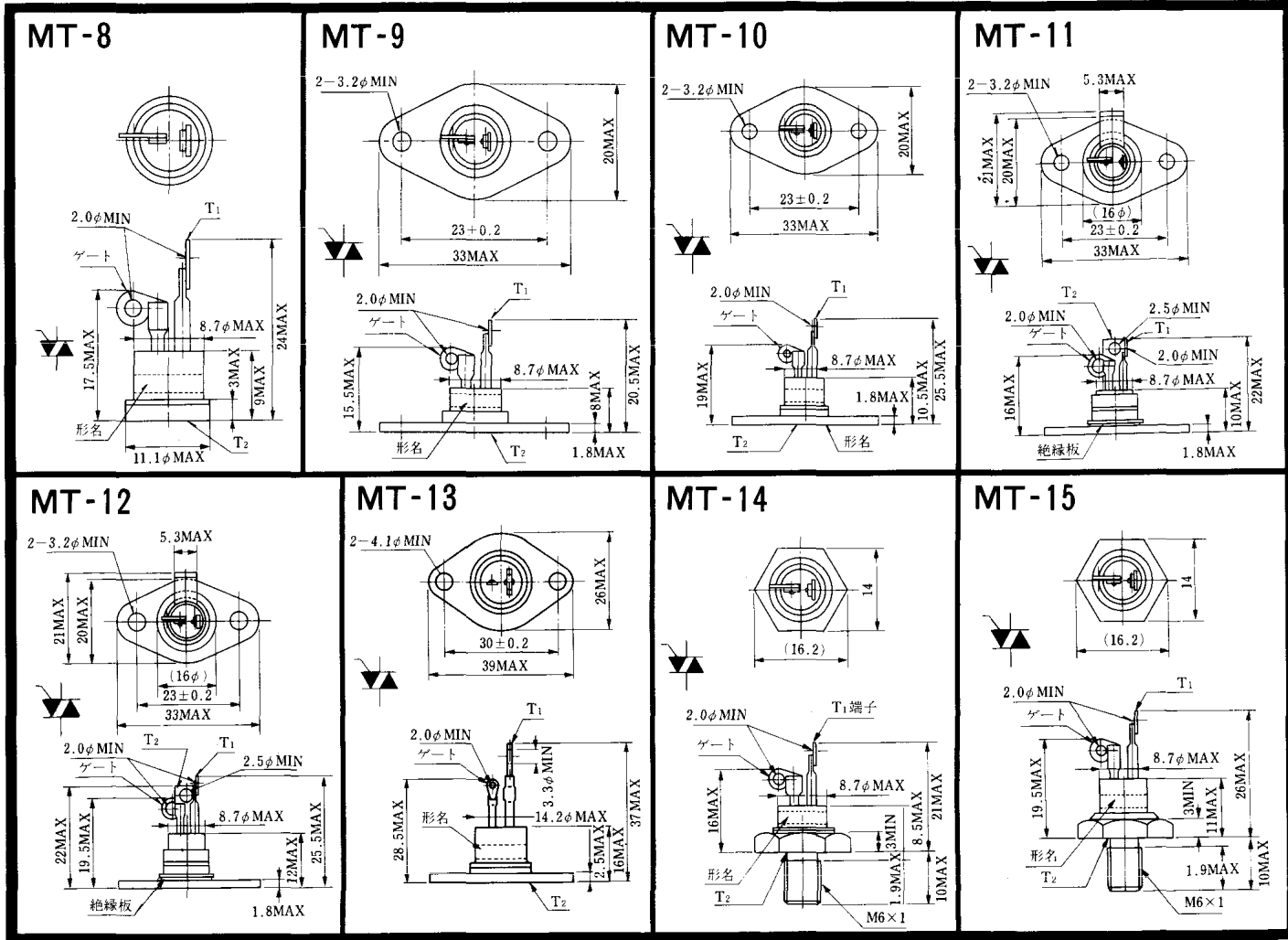


〈寸法図単位:mm〉



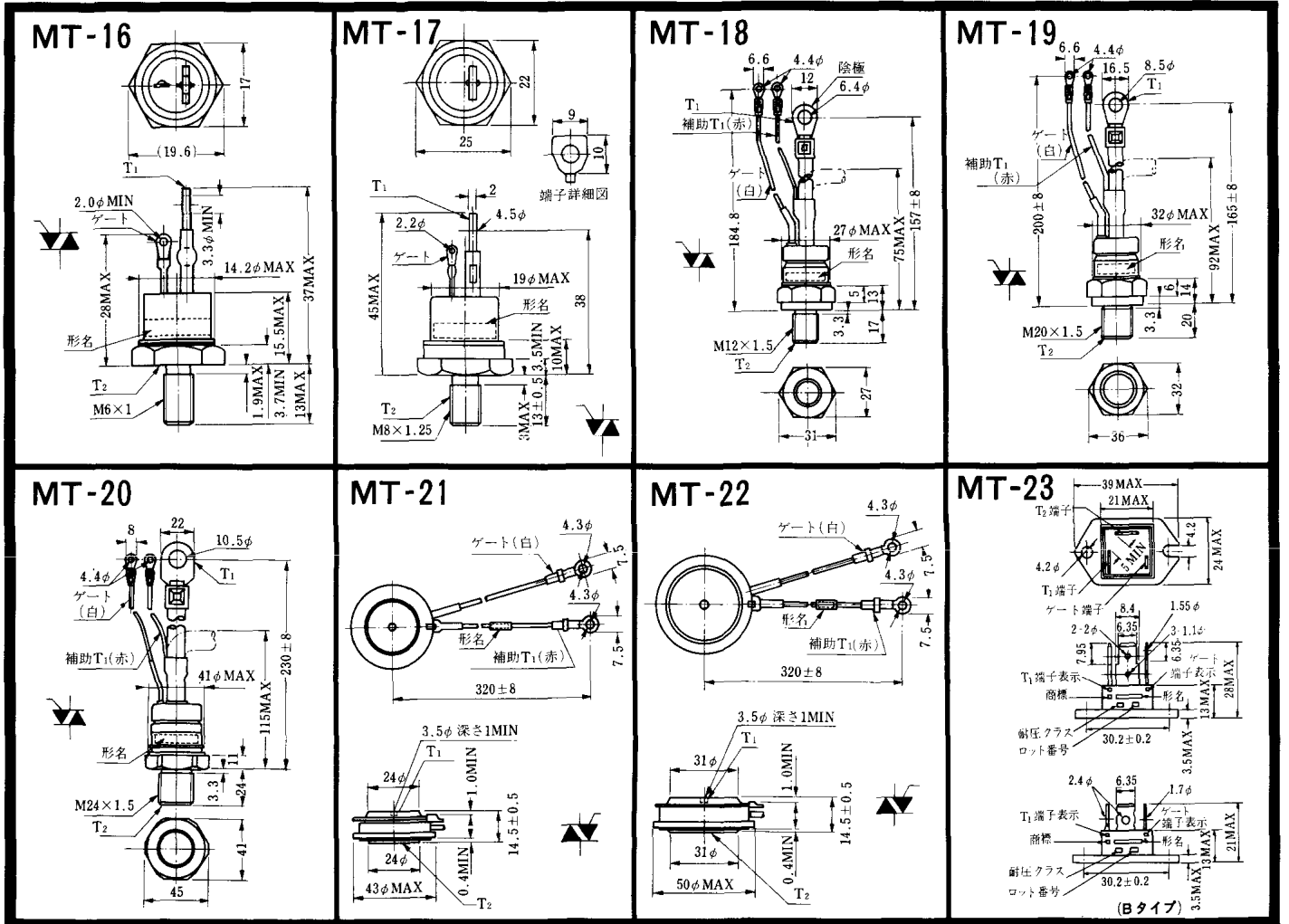
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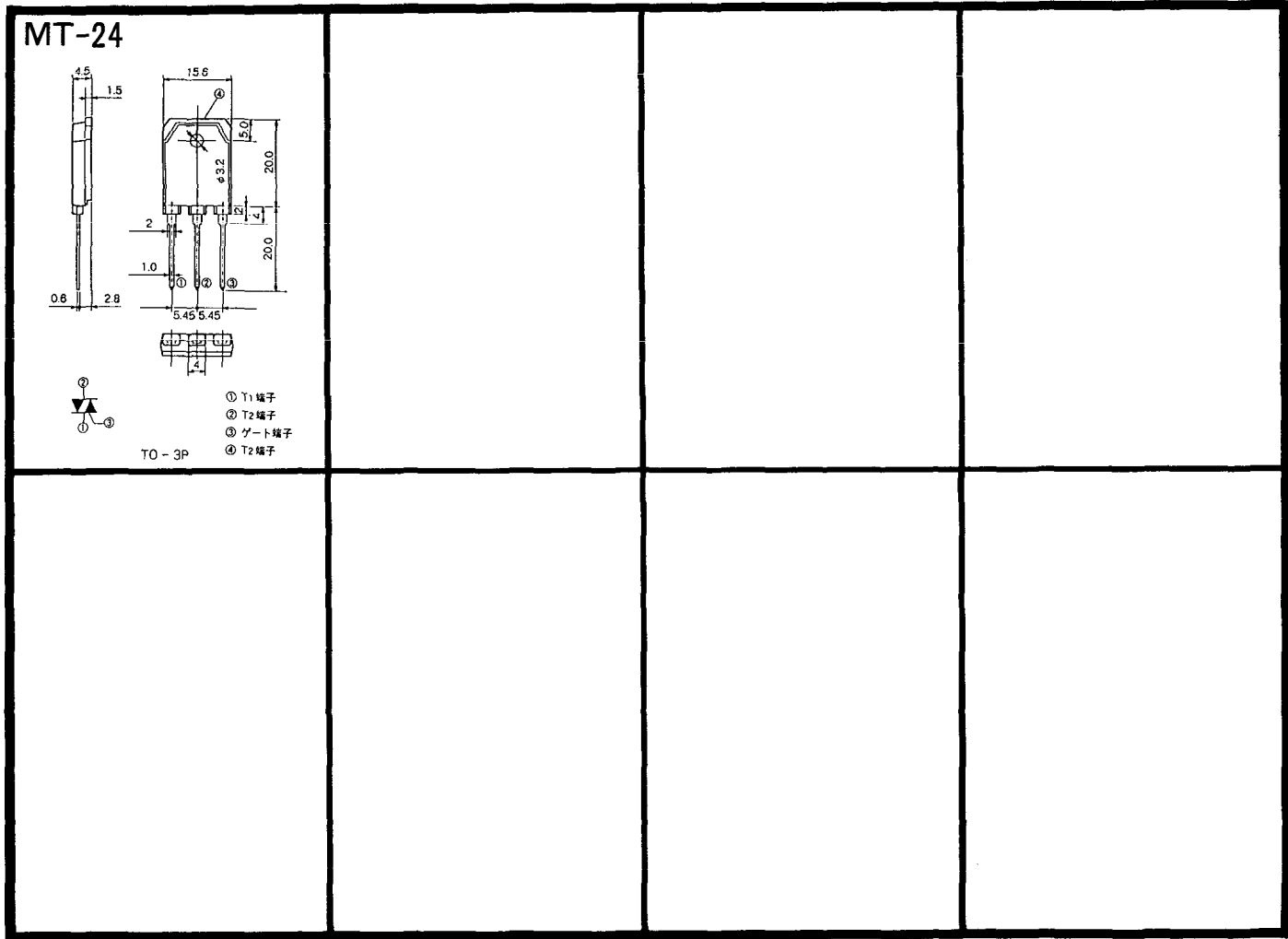
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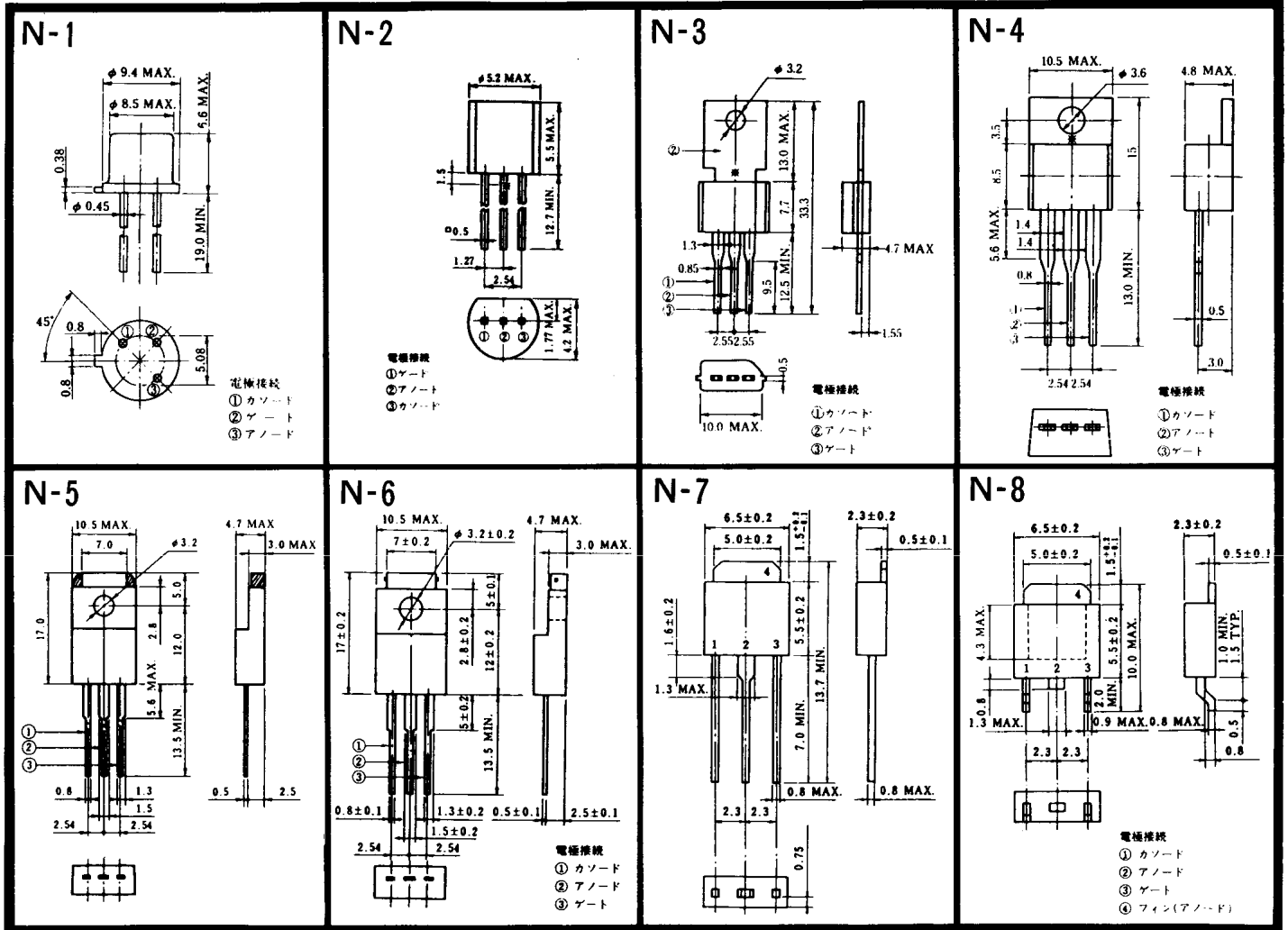
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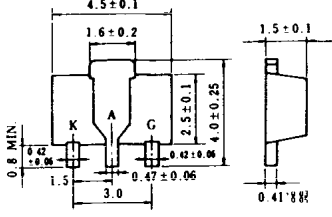
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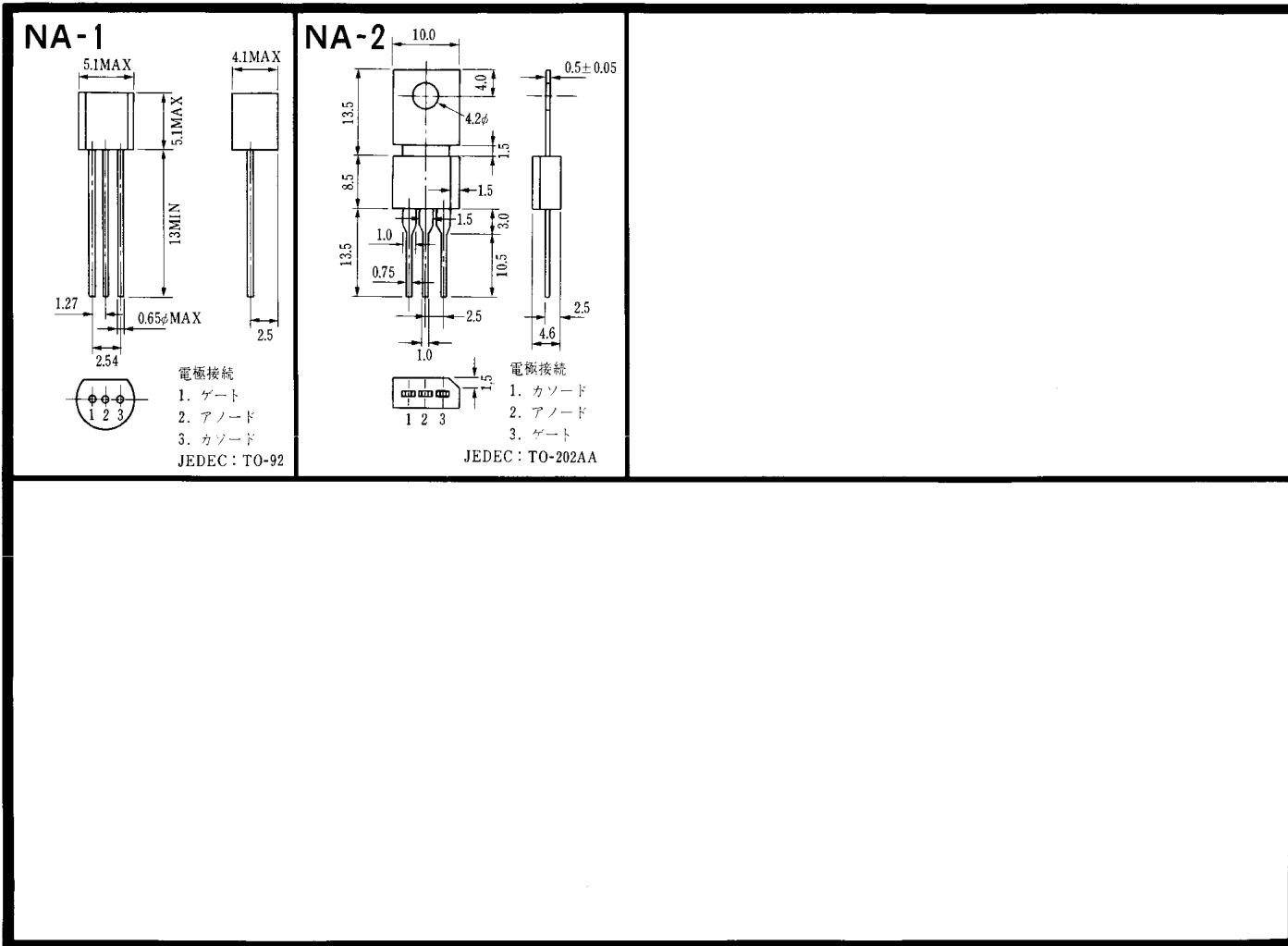
〈寸法図単位:mm〉

<http://store.iicc/>

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

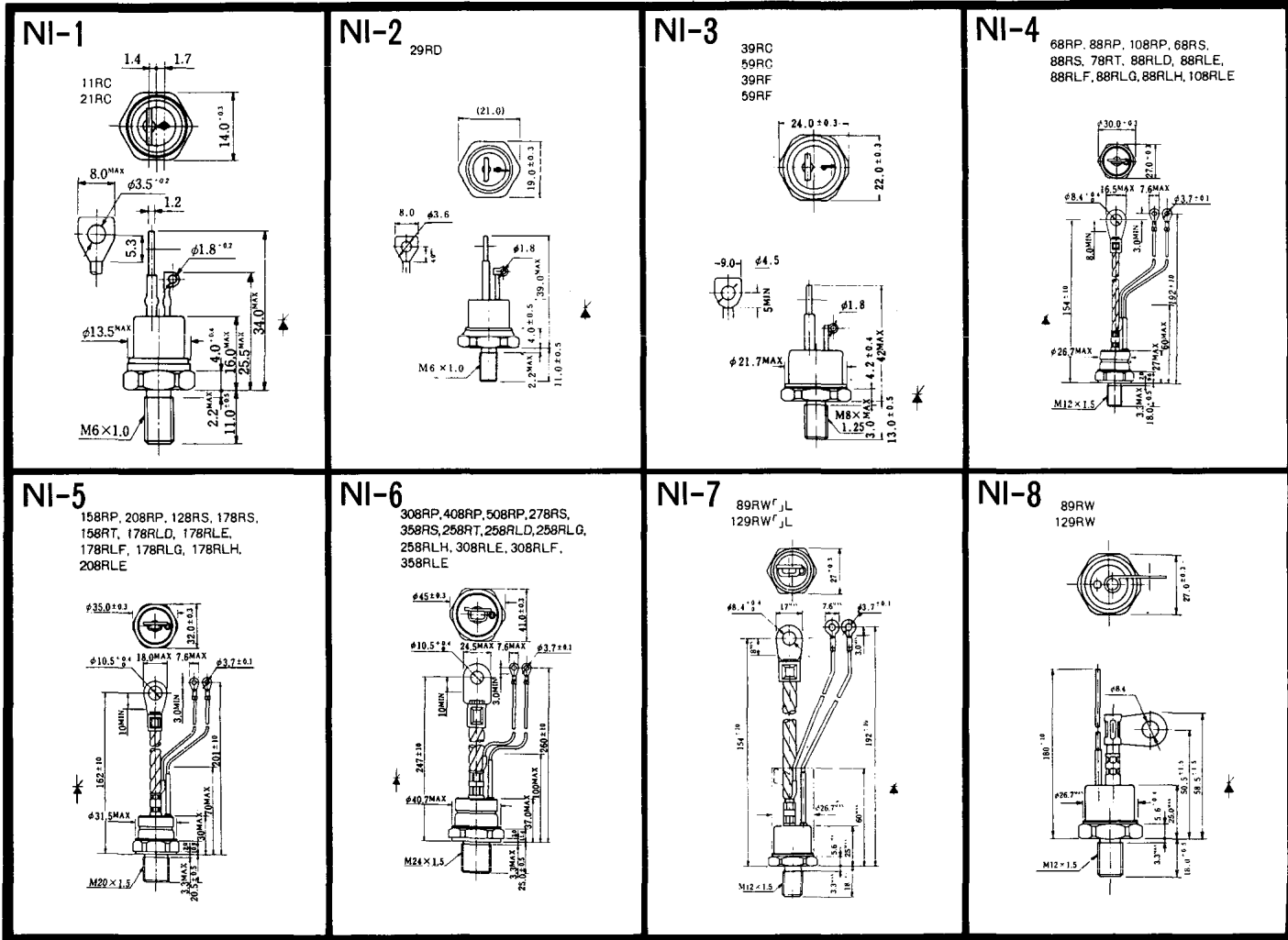
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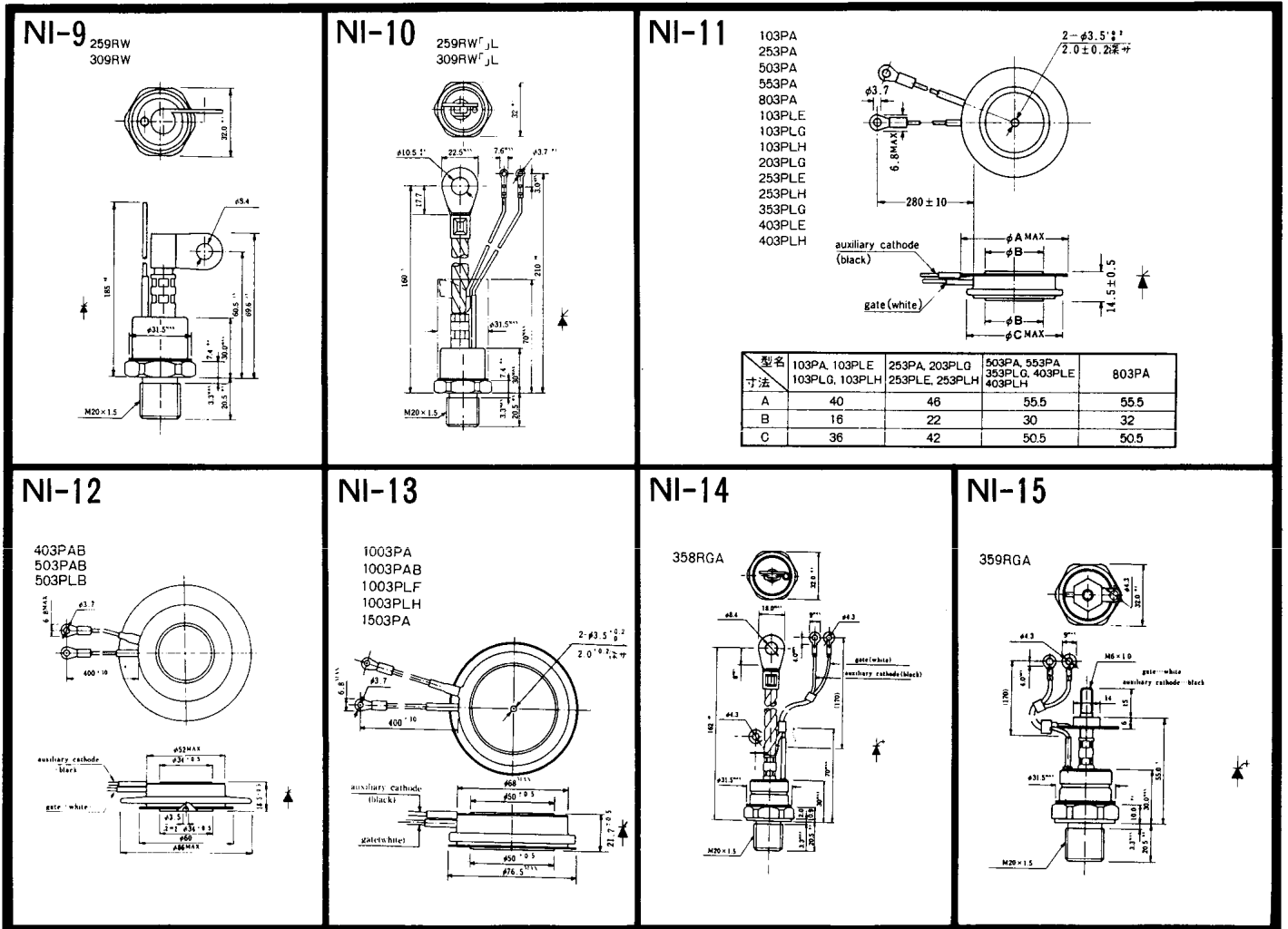
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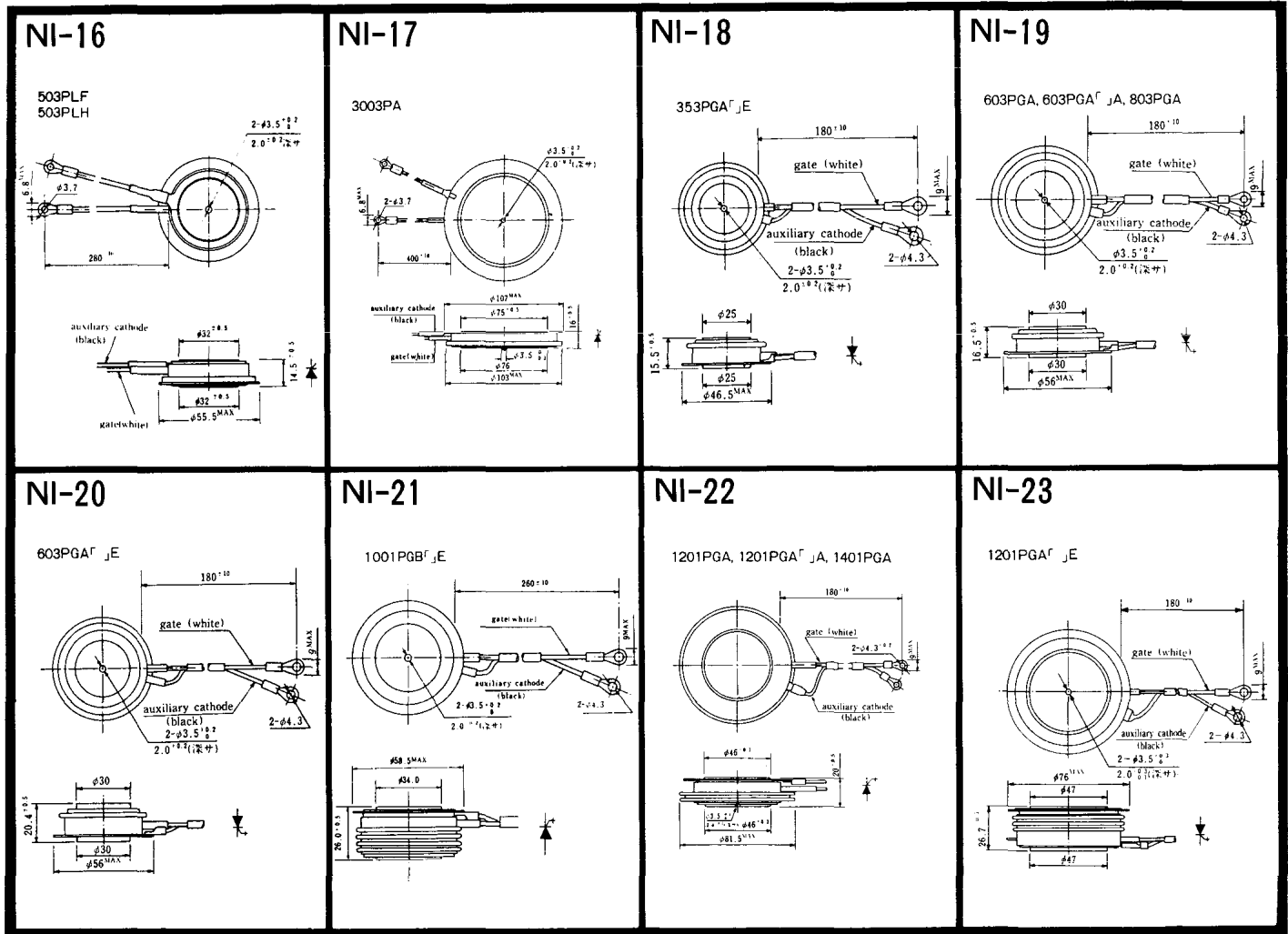
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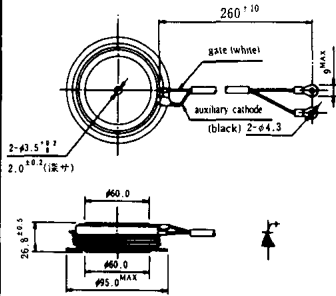
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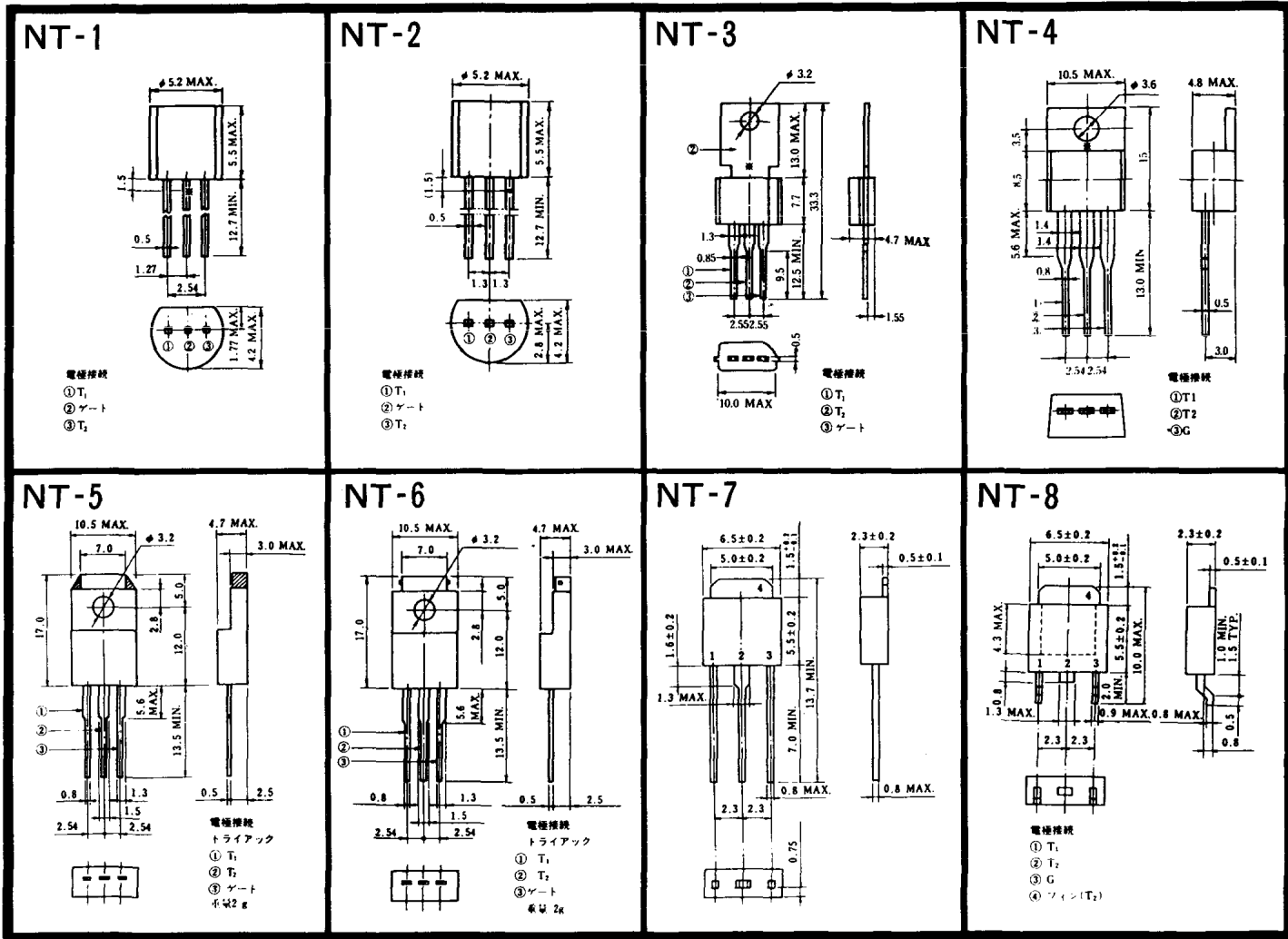
《寸法图单位:mm》

<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>			

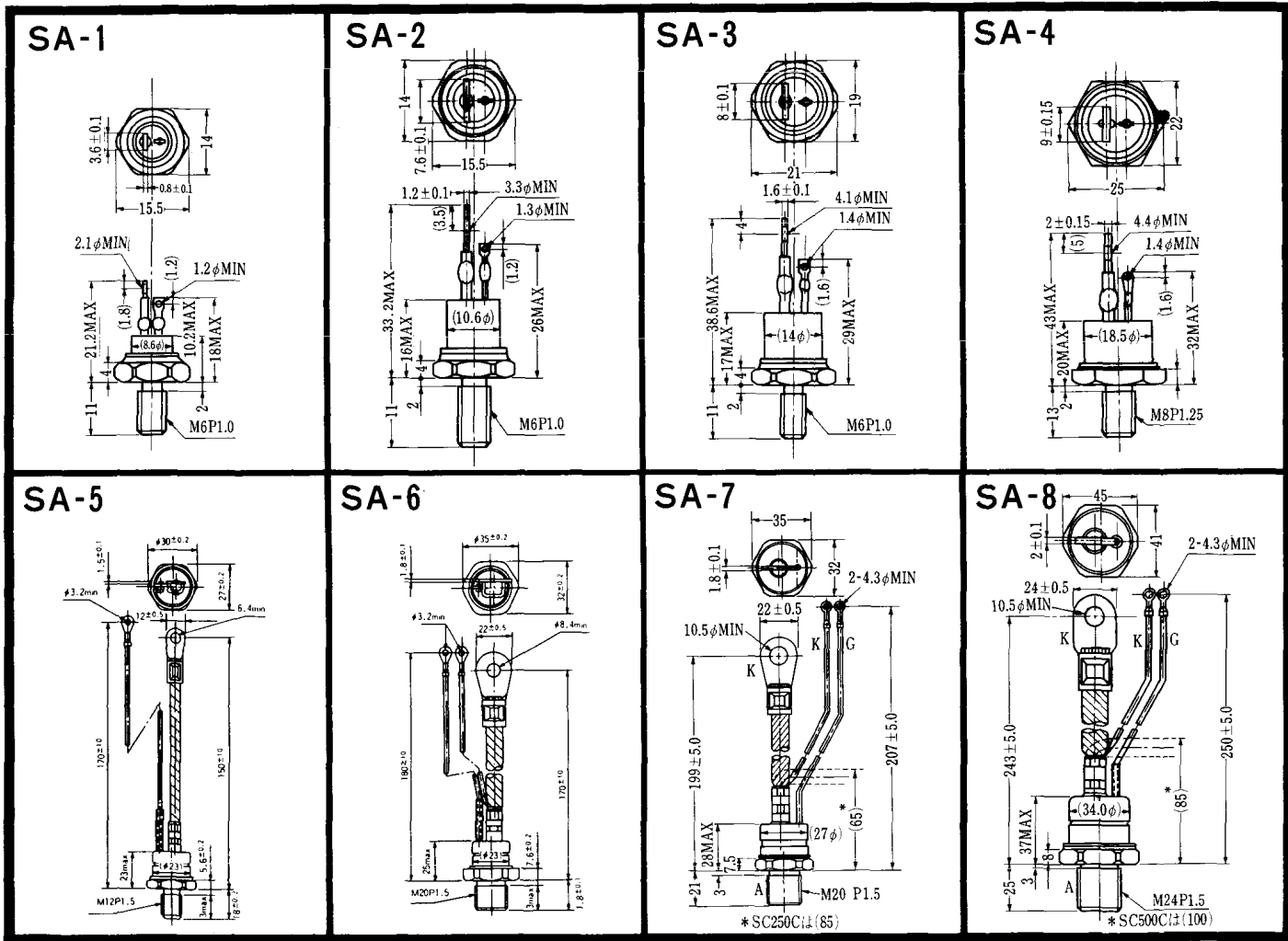
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《寸法图单位:mm》



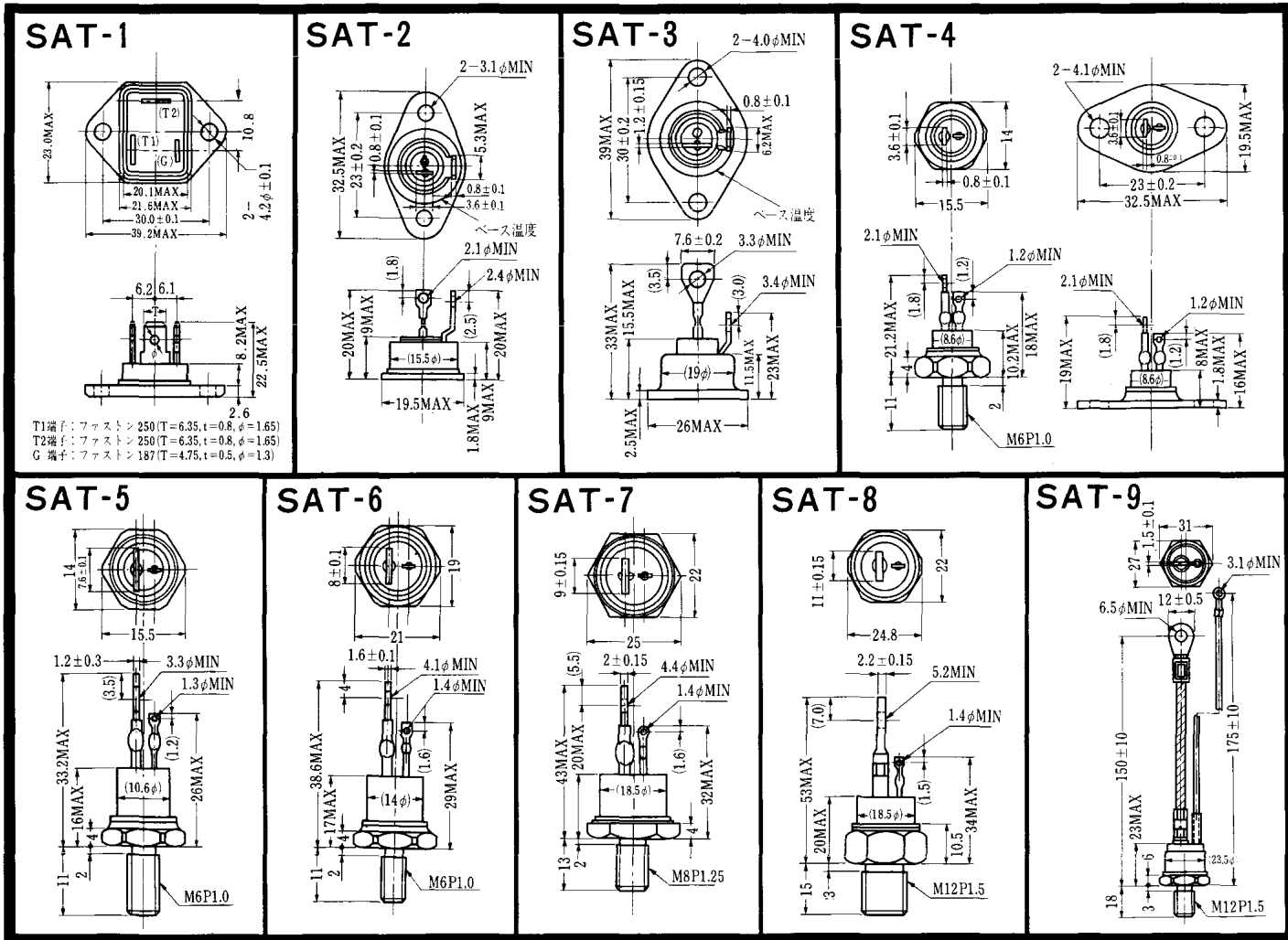
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〈寸法図単位:mm〉



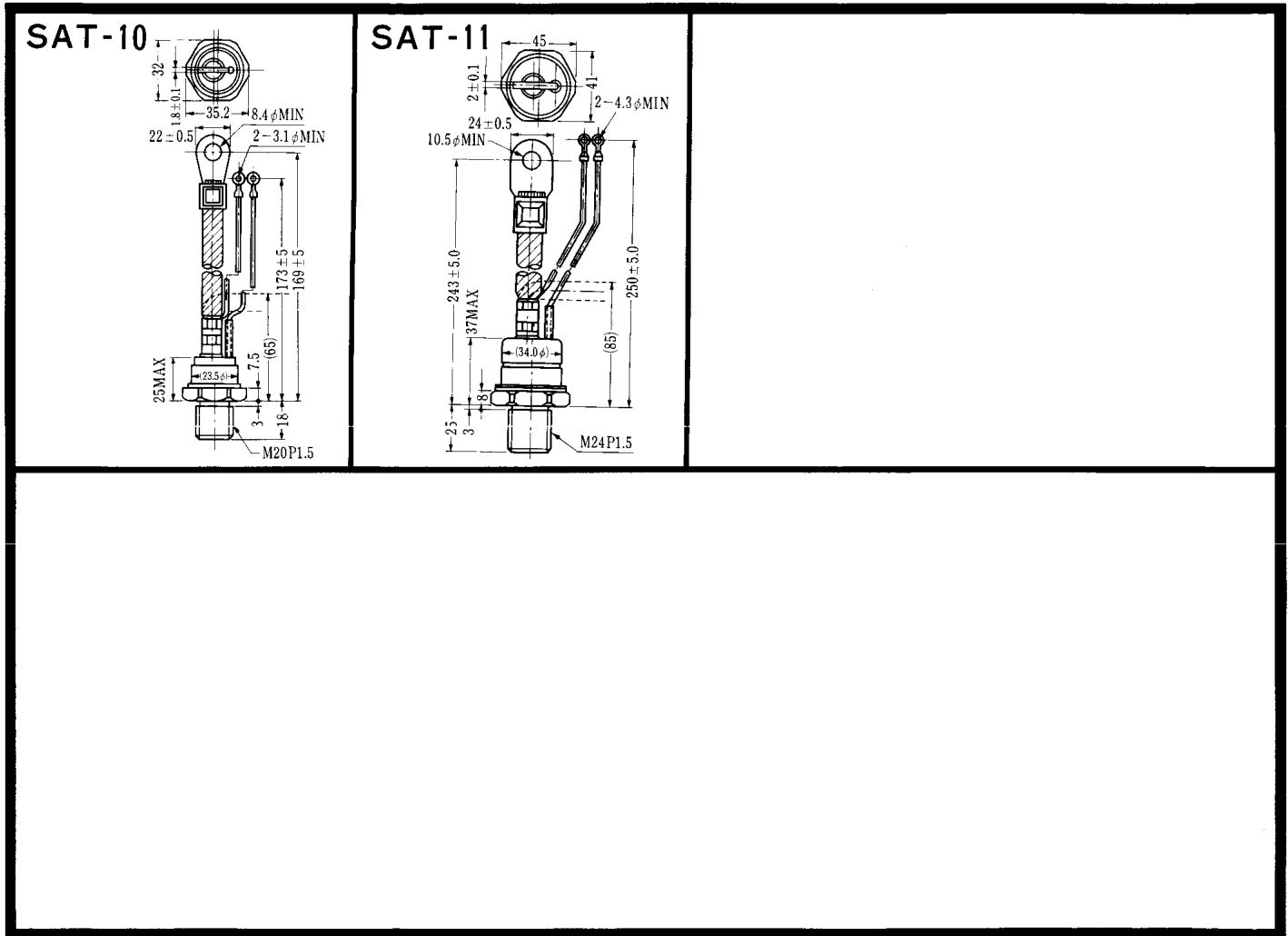
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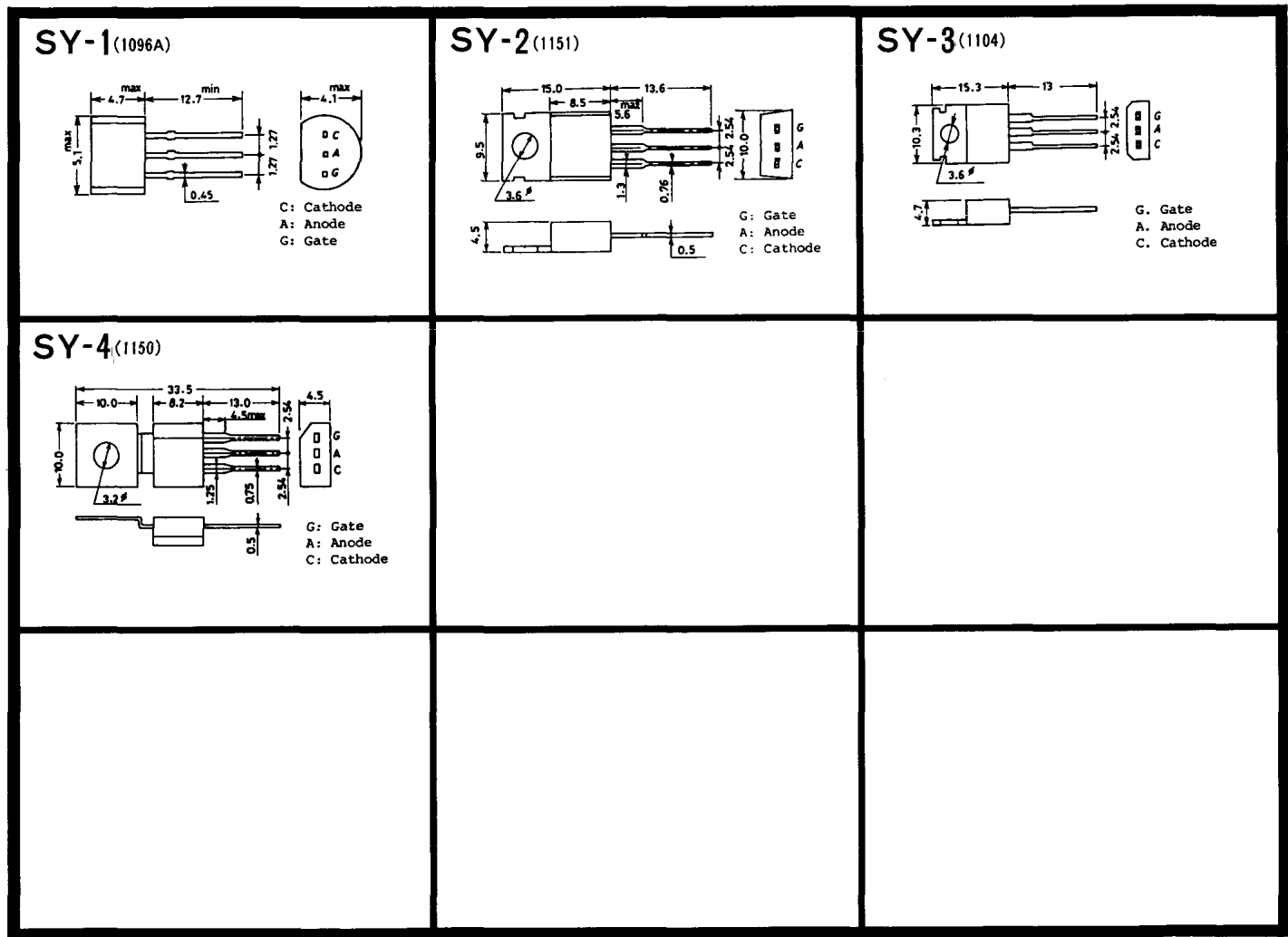
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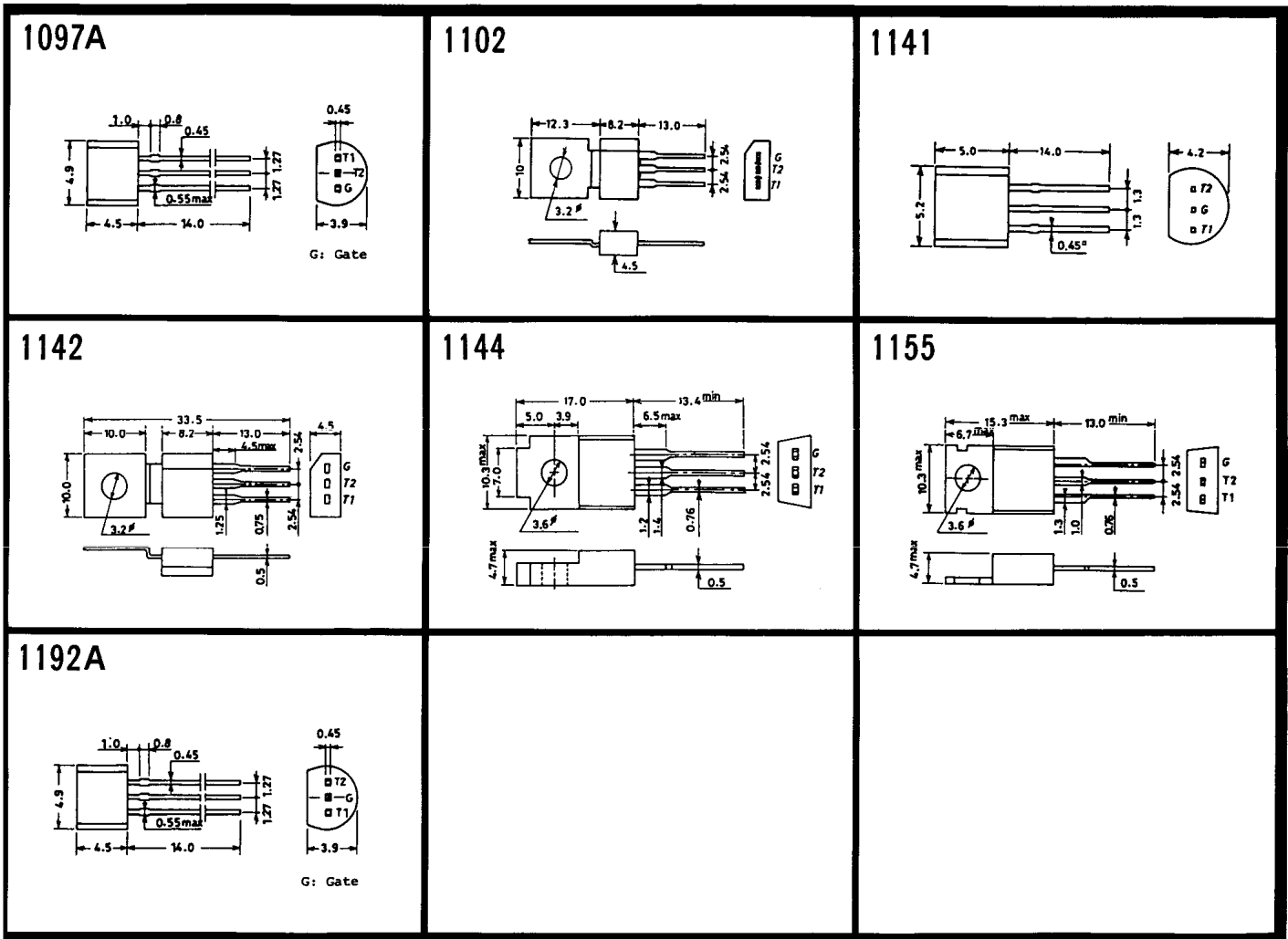
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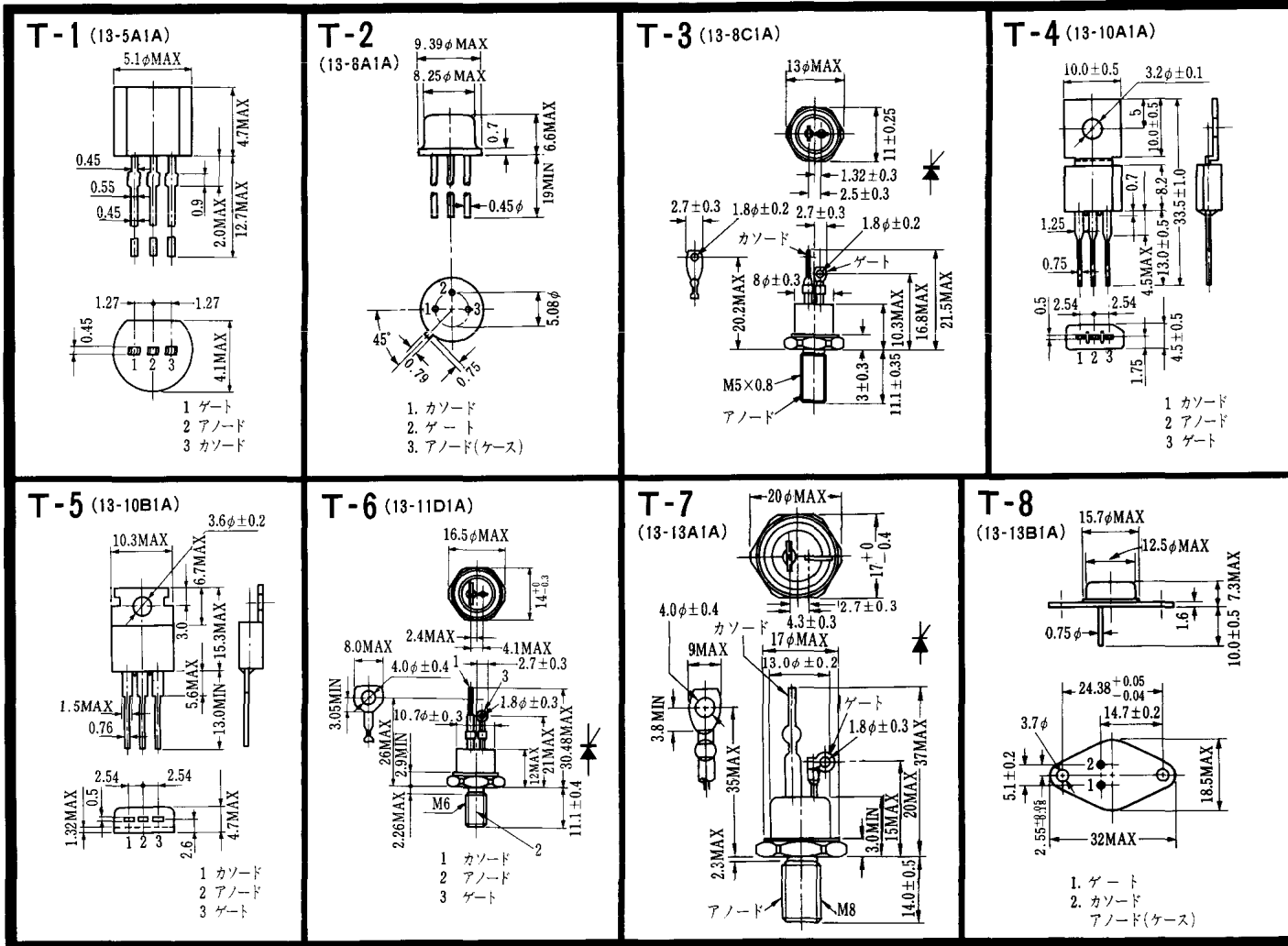


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《寸法図單位：mm》

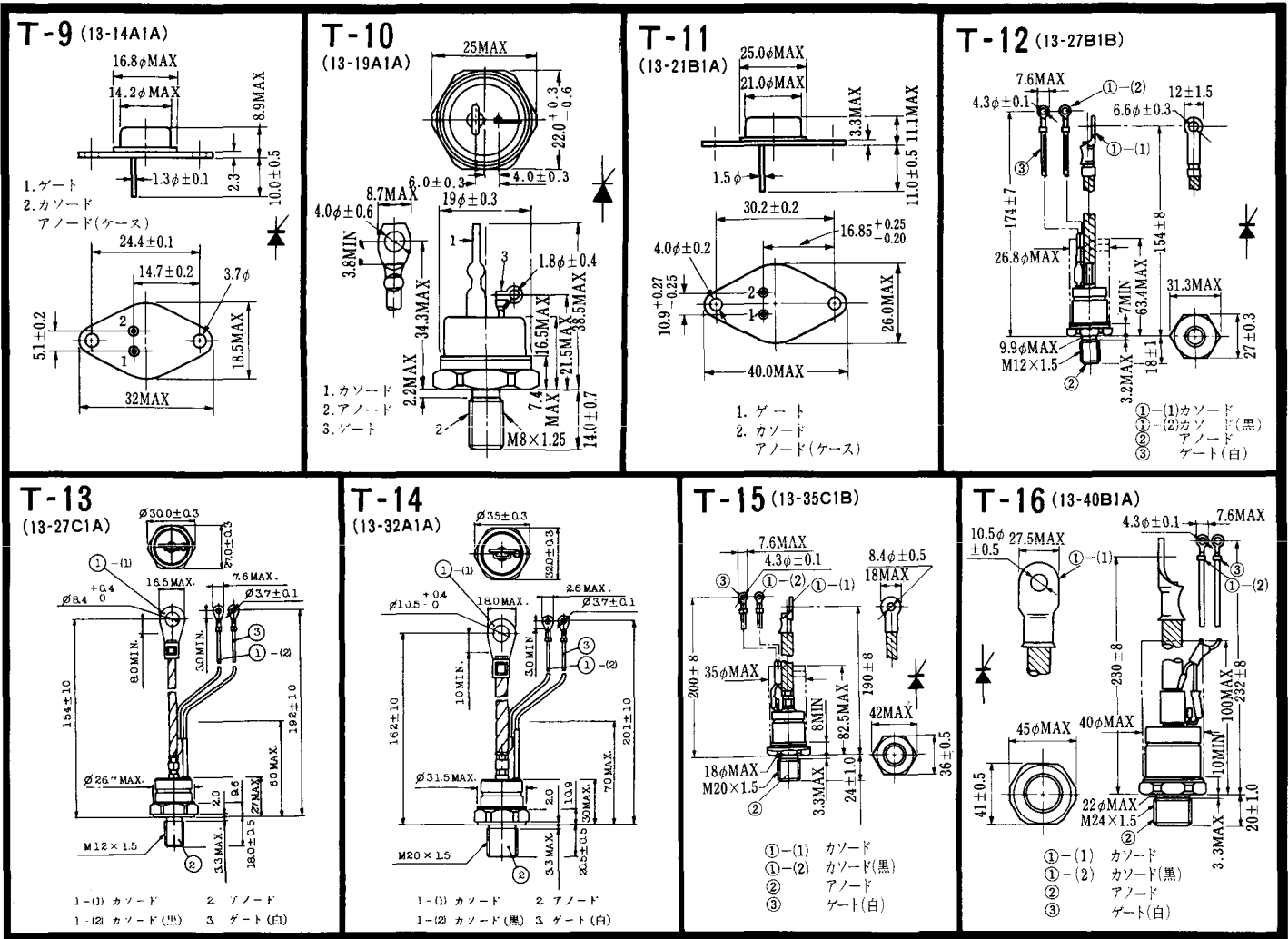






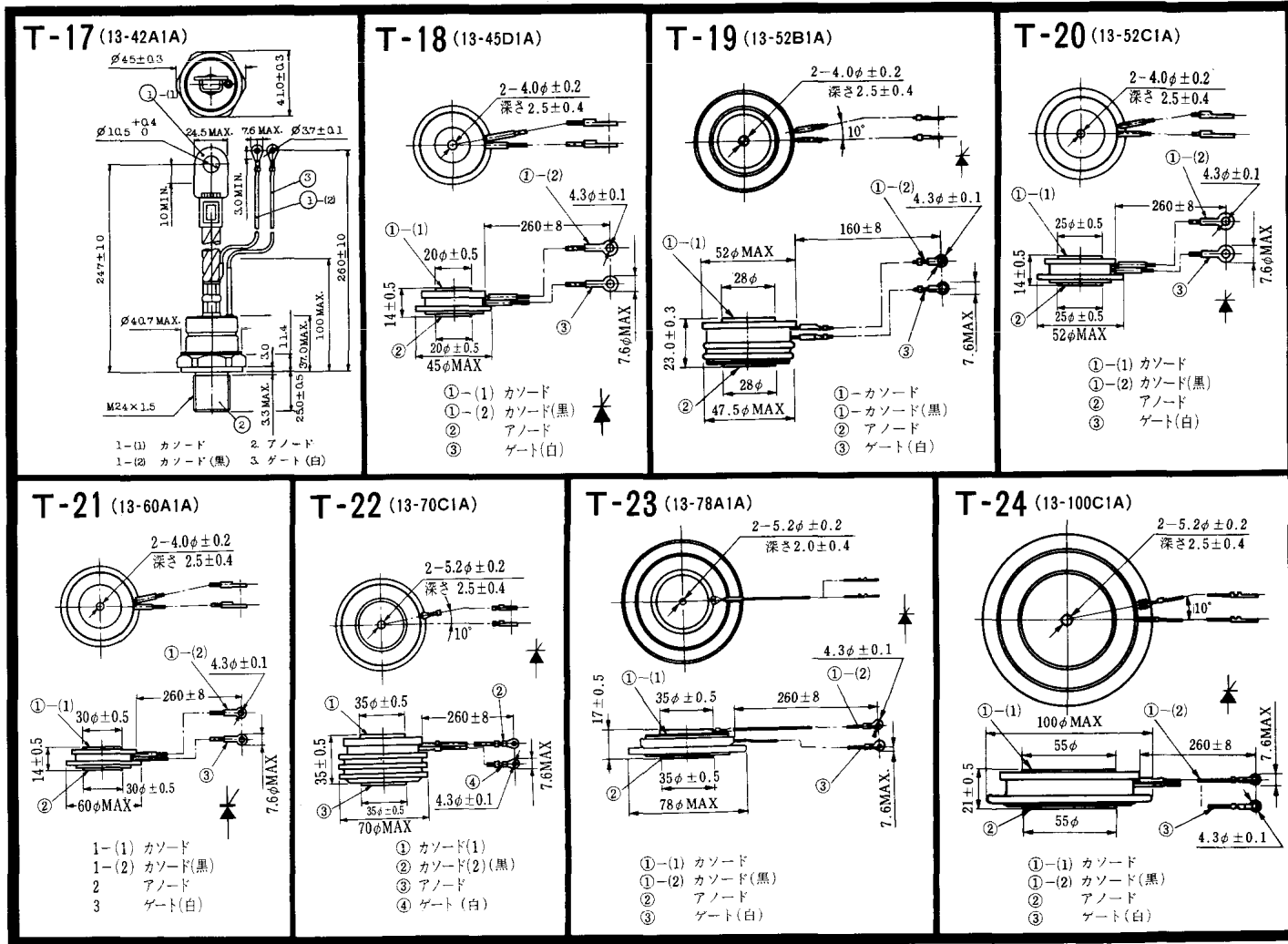
◁寸法図単位：mm

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



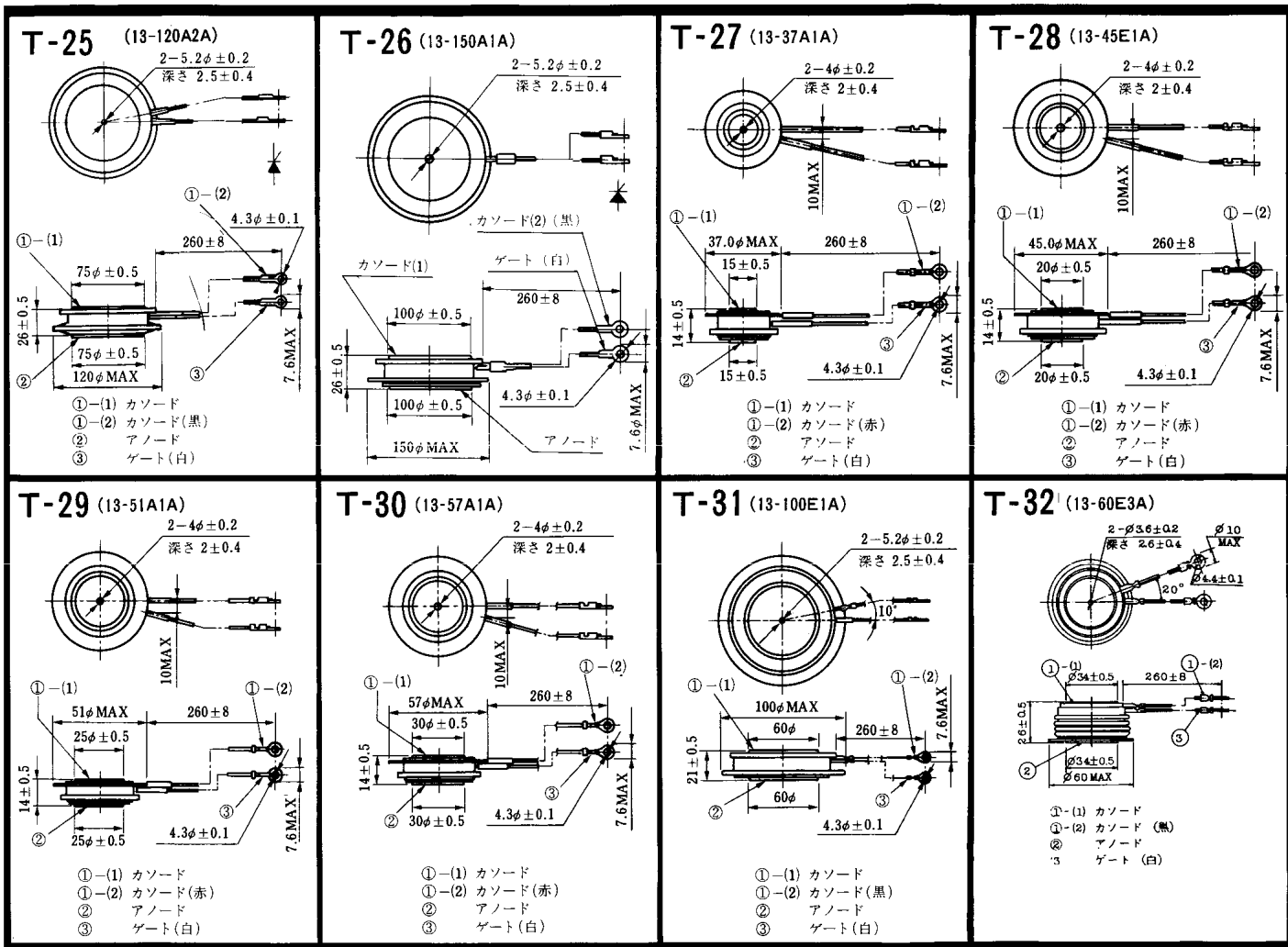
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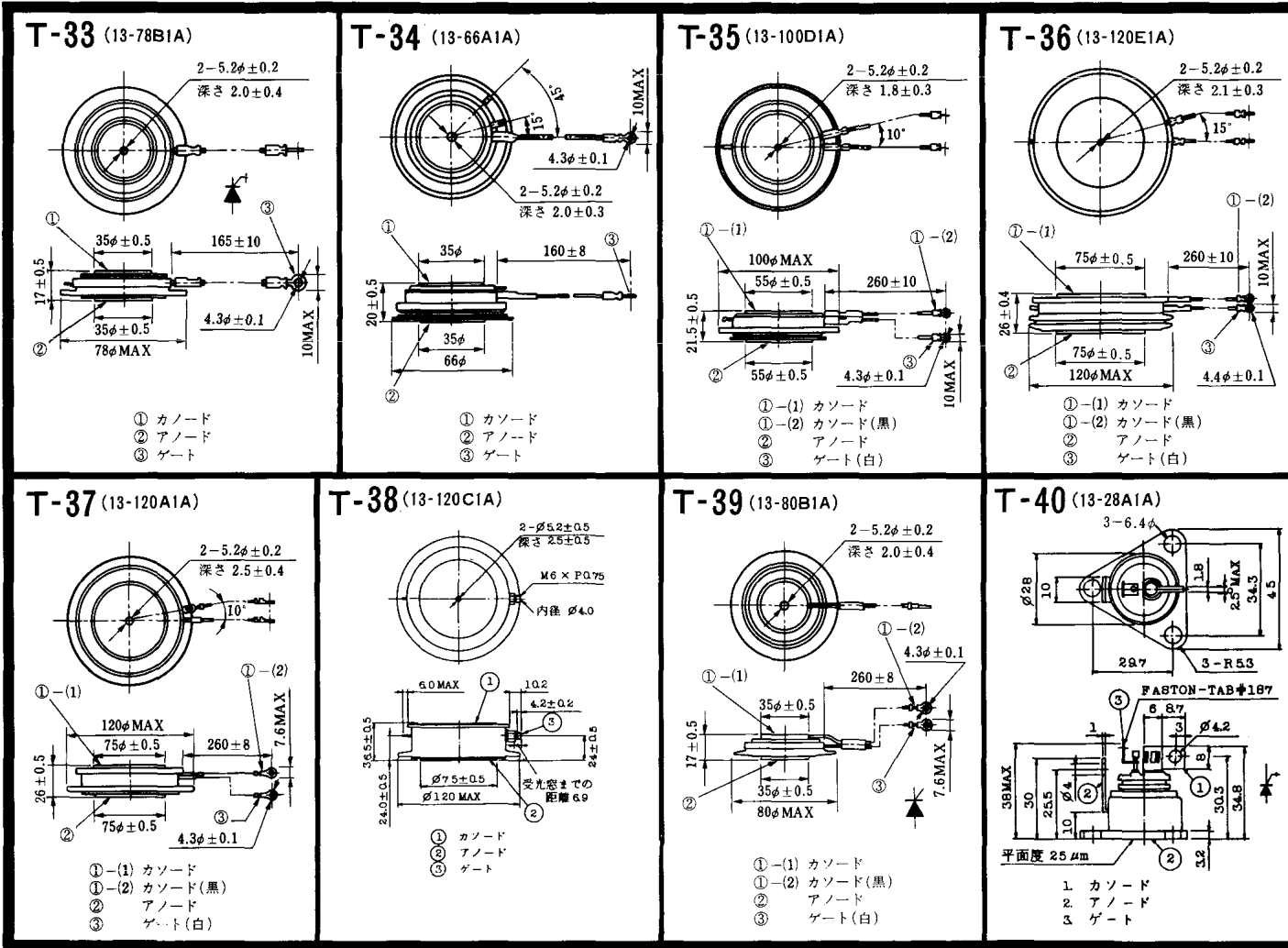
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<http://store.iicc/>



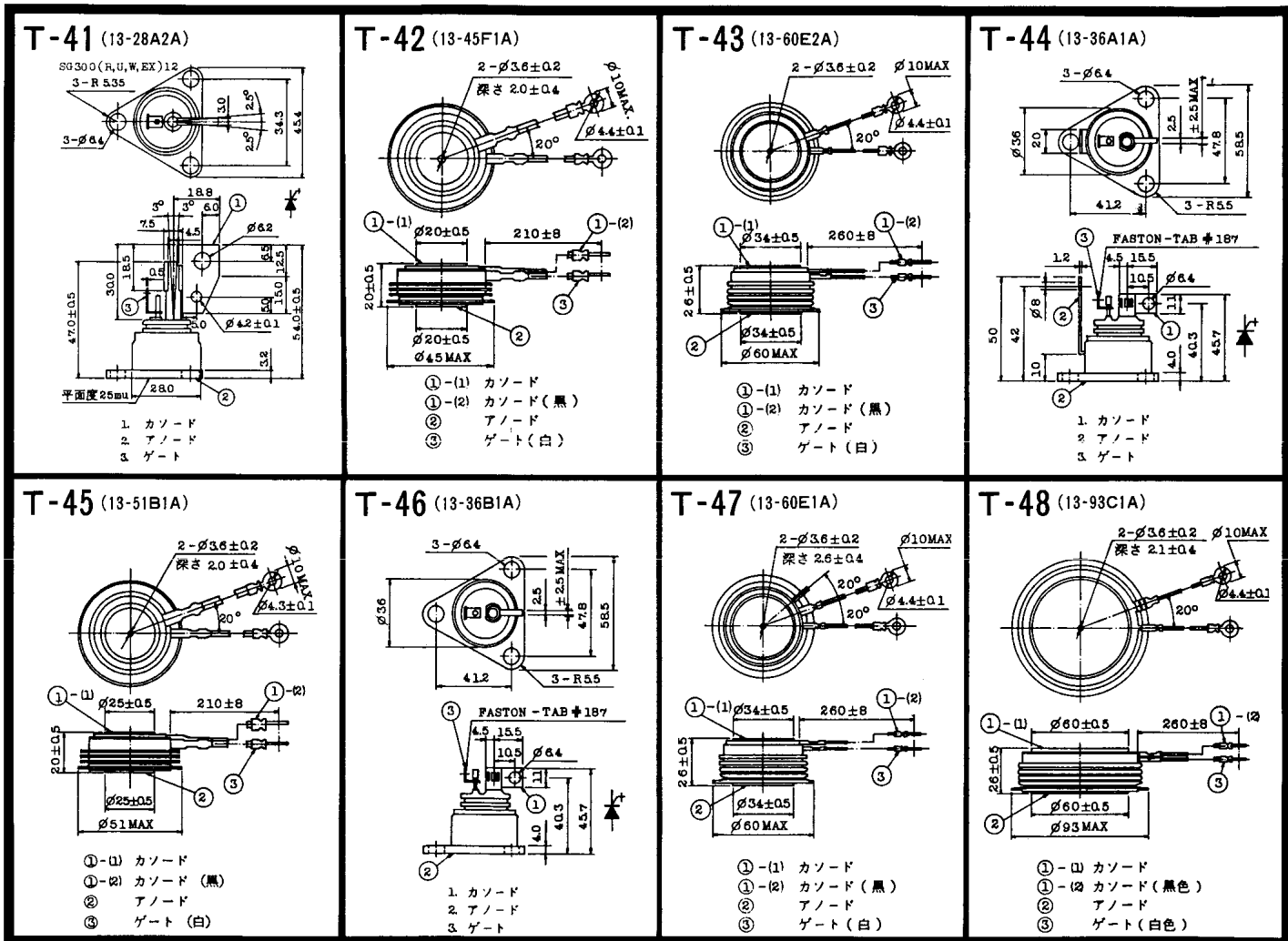
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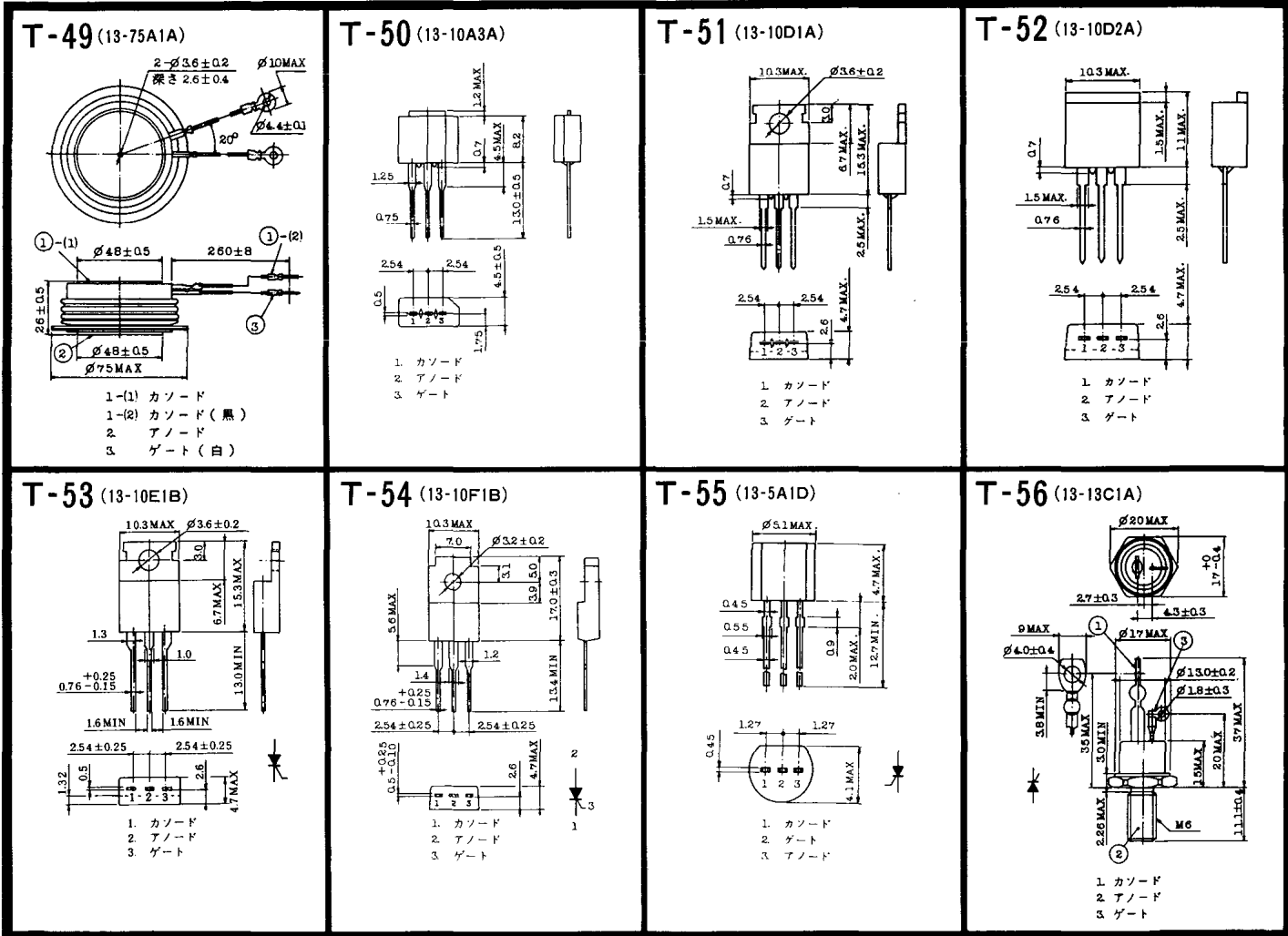
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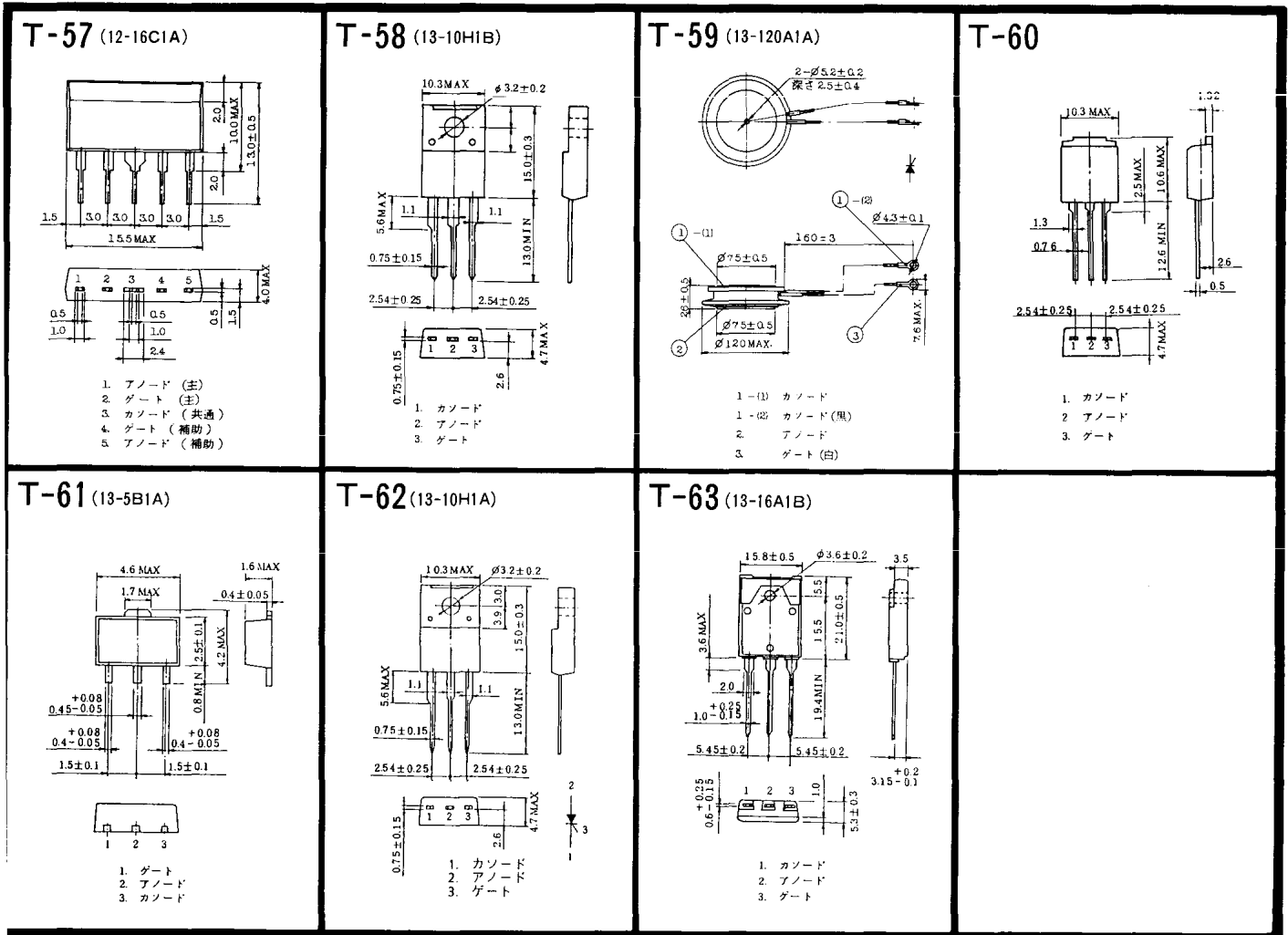
〔寸法図単位：mm〕

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



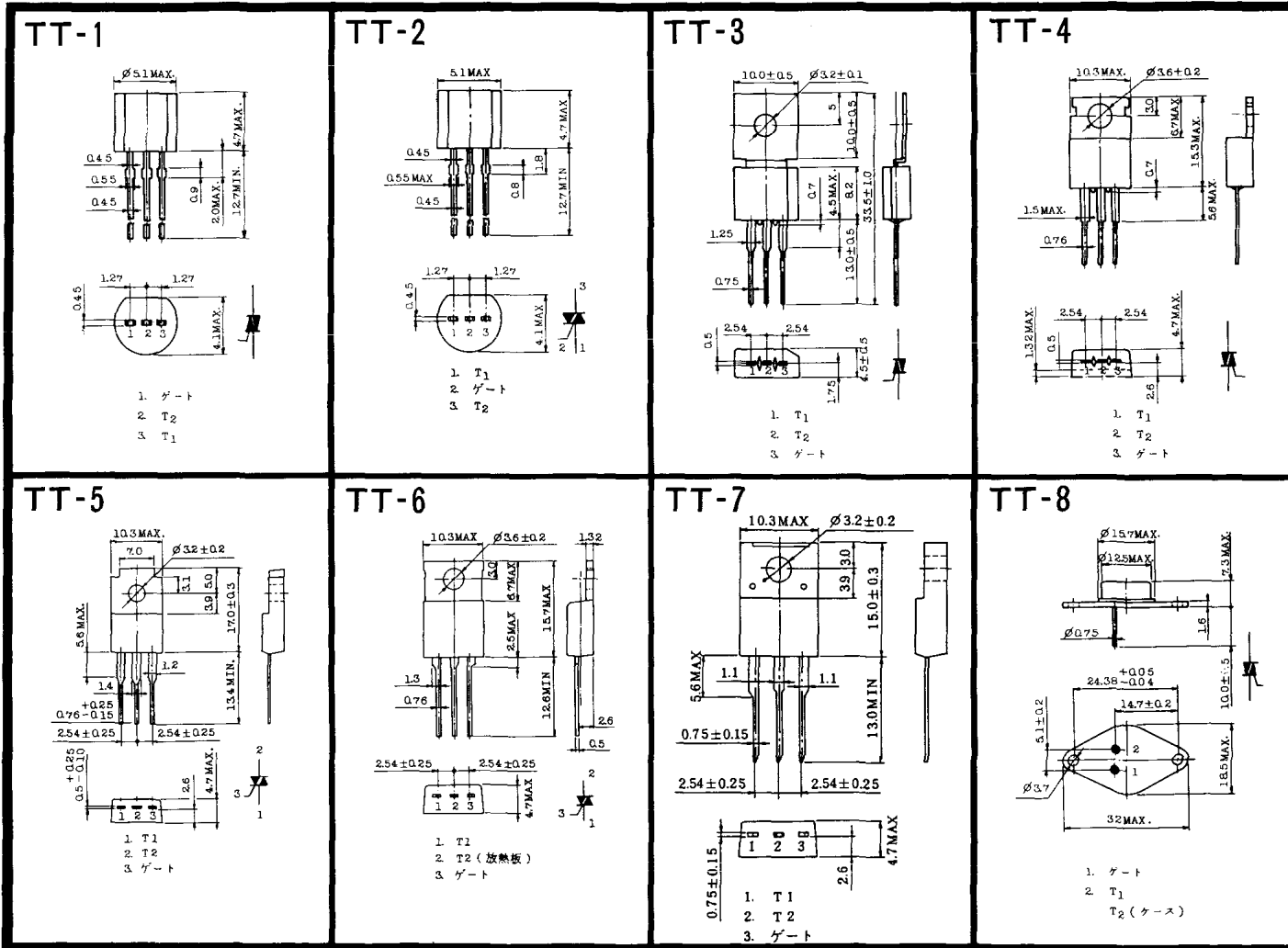
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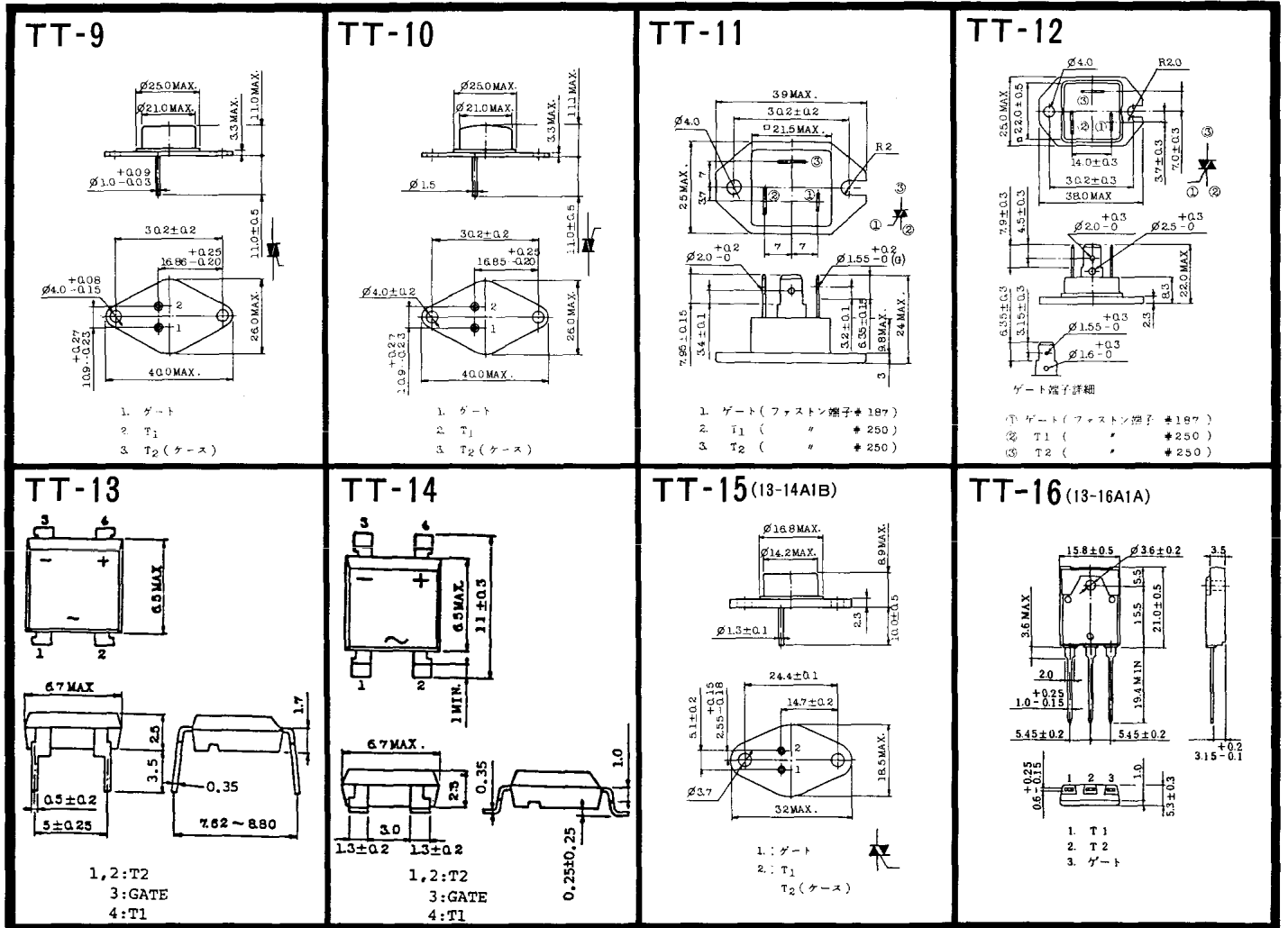
《寸法図単位:mm》

<http://store.iicc/>



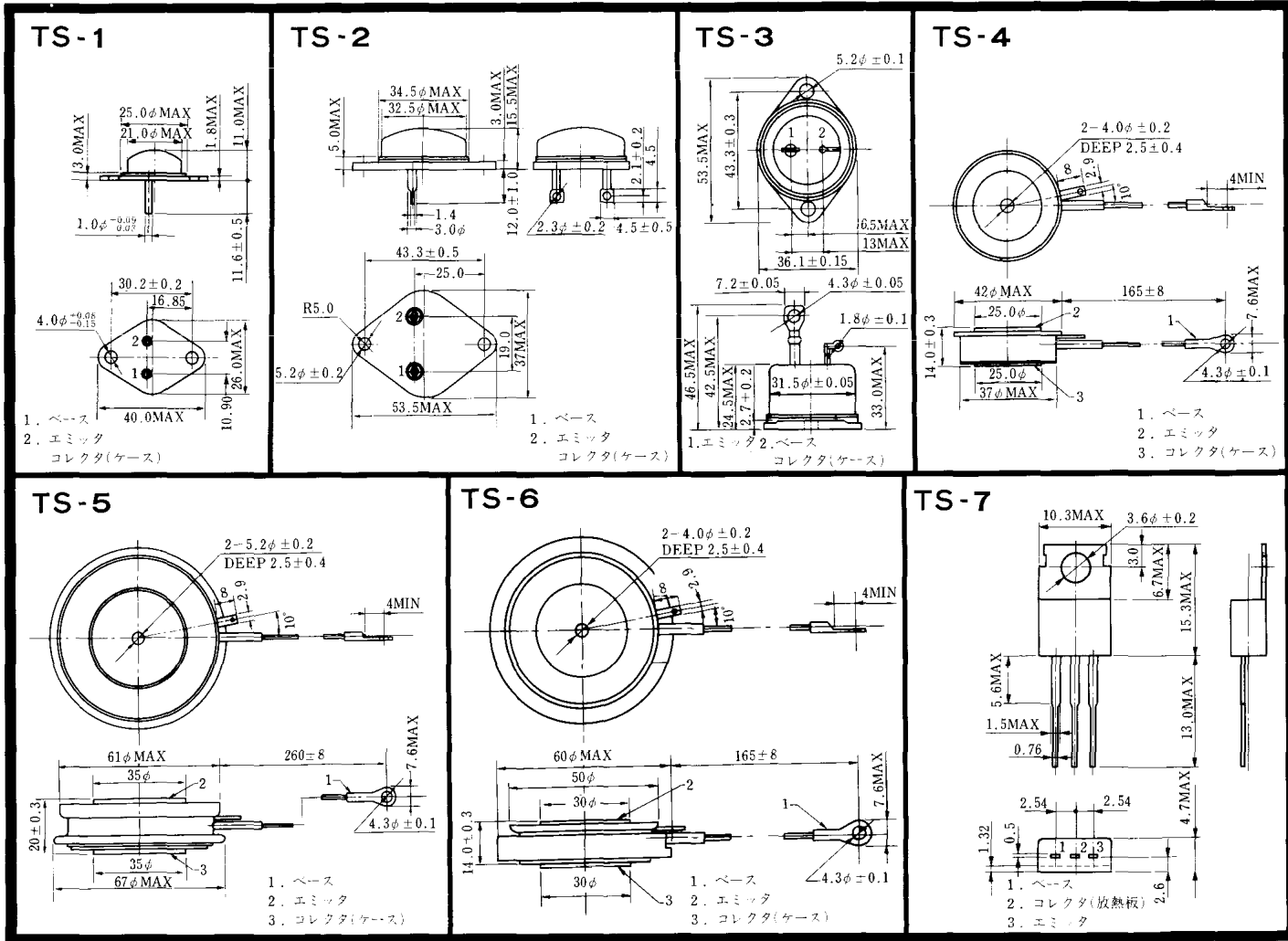
〈寸法図単位: mm〉

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



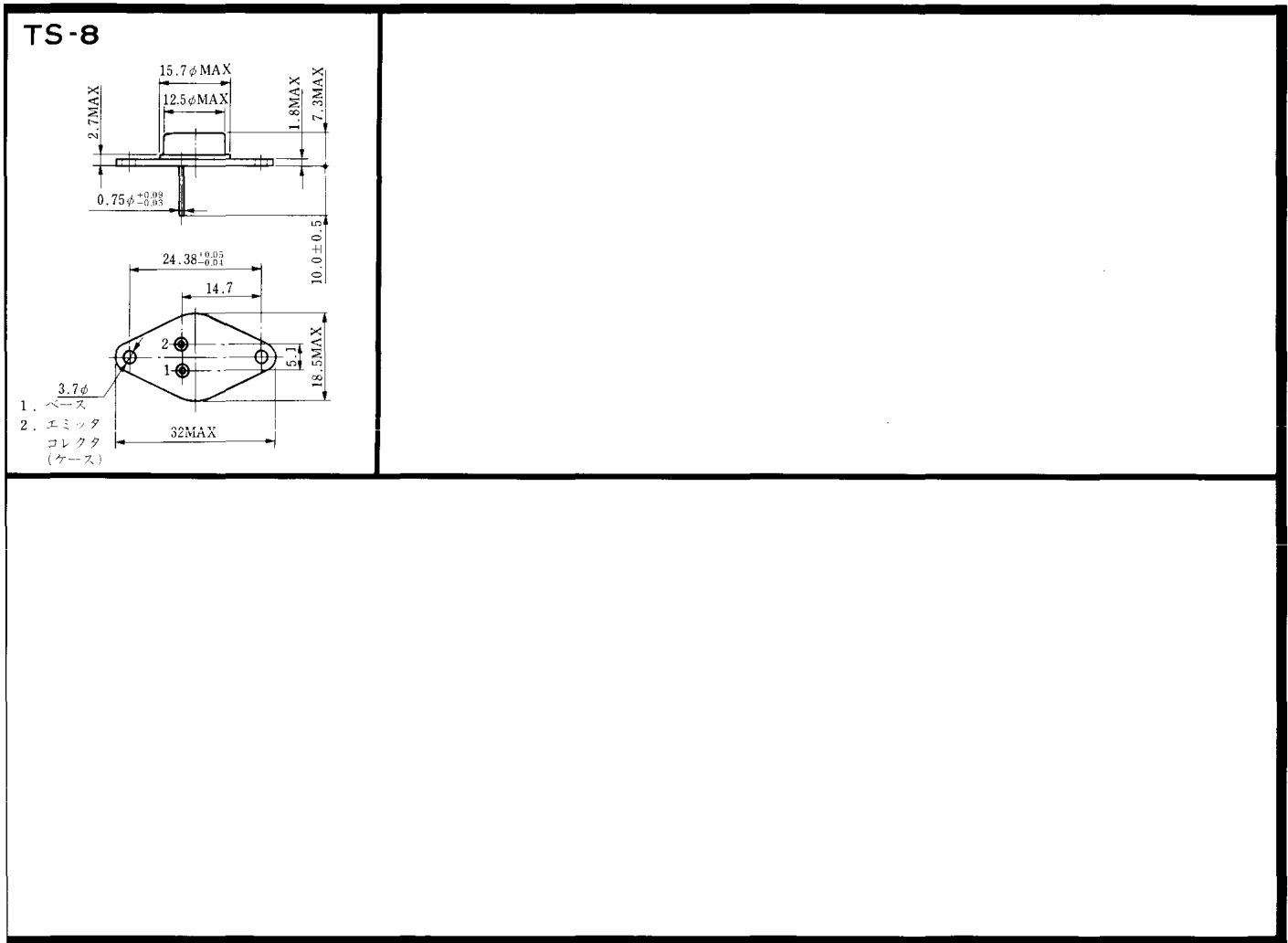
◀寸法図単位: mm▶

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



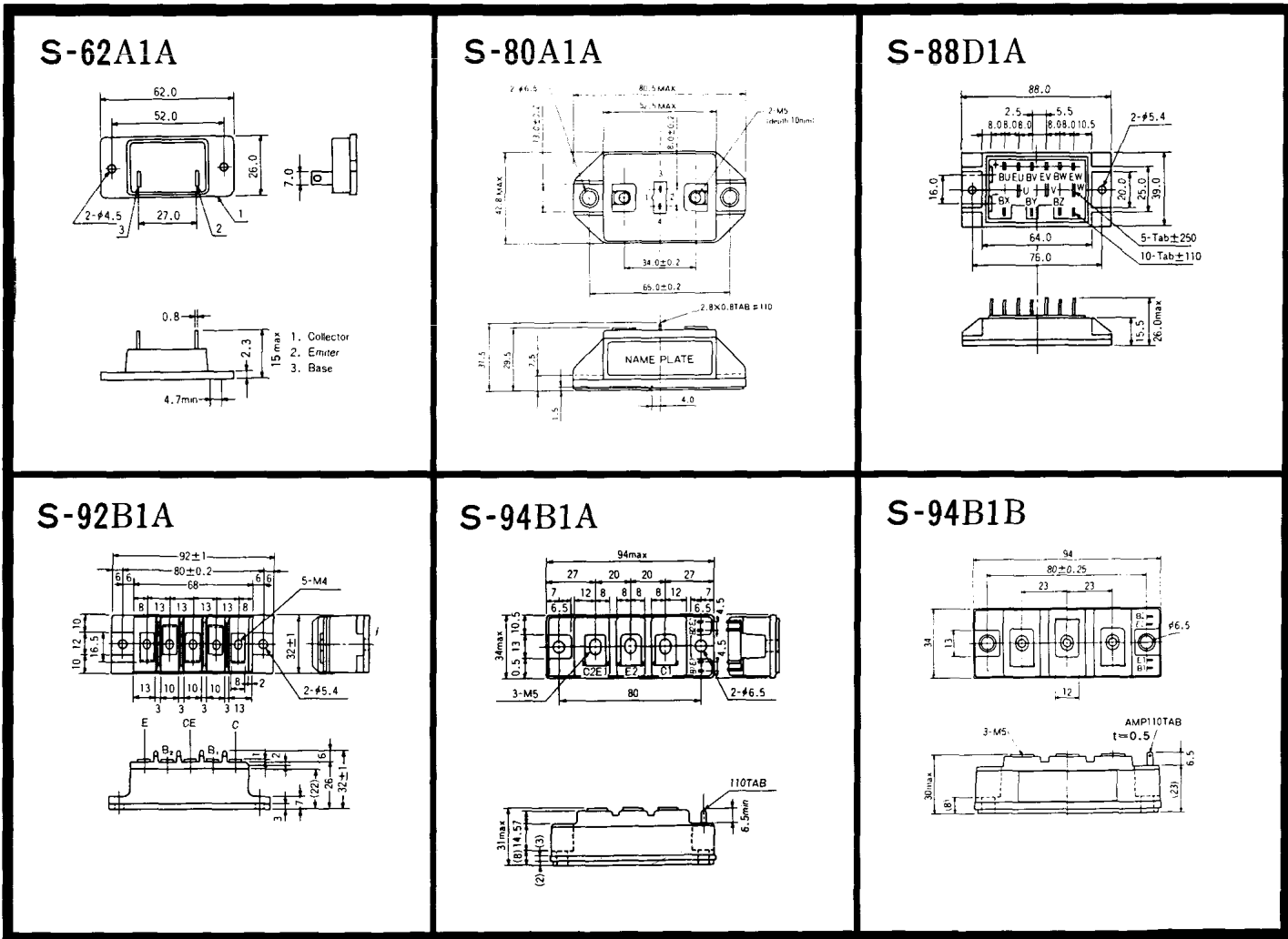
《寸法図単位：mm》

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



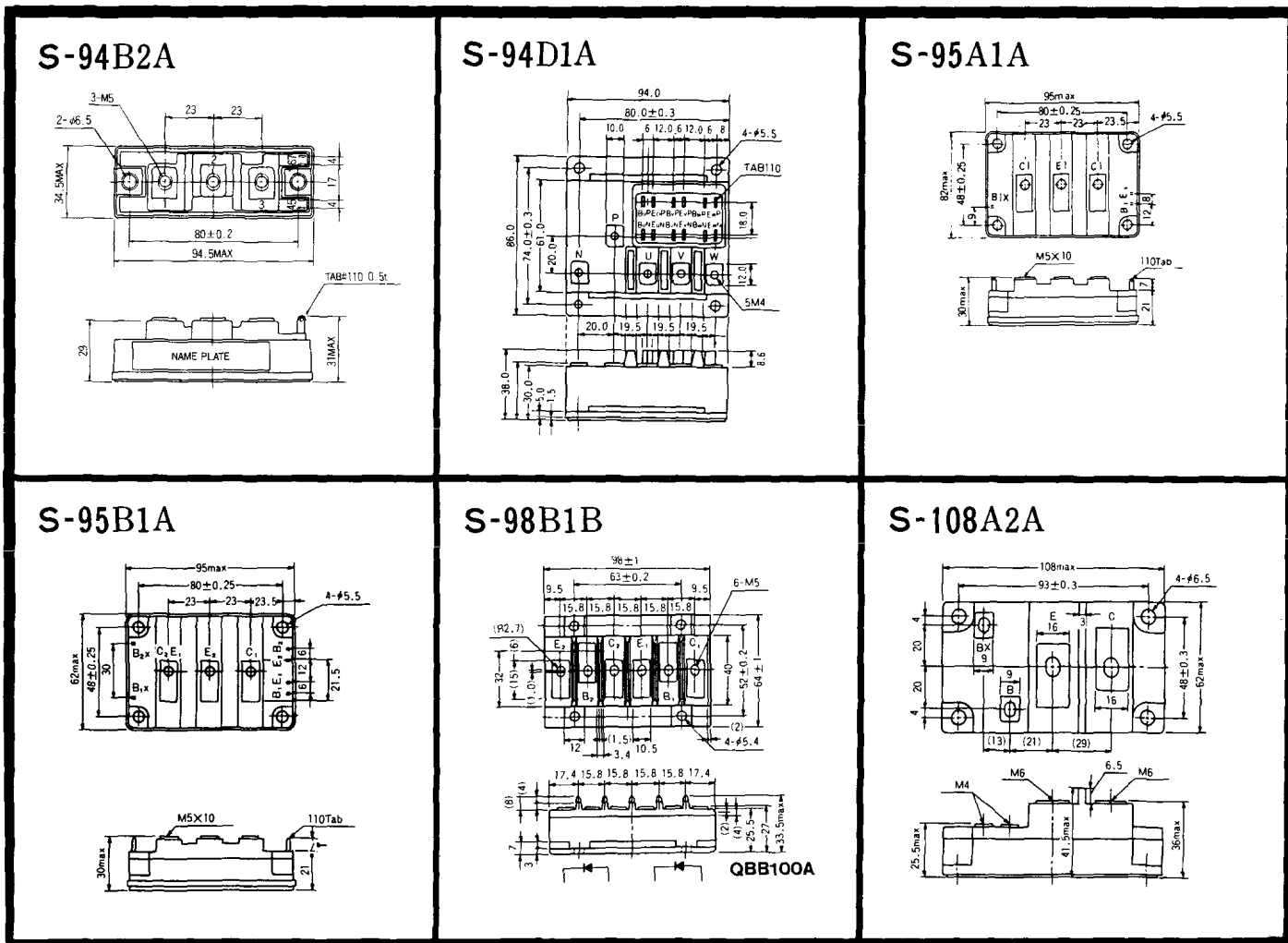
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《寸法図単位：mm》



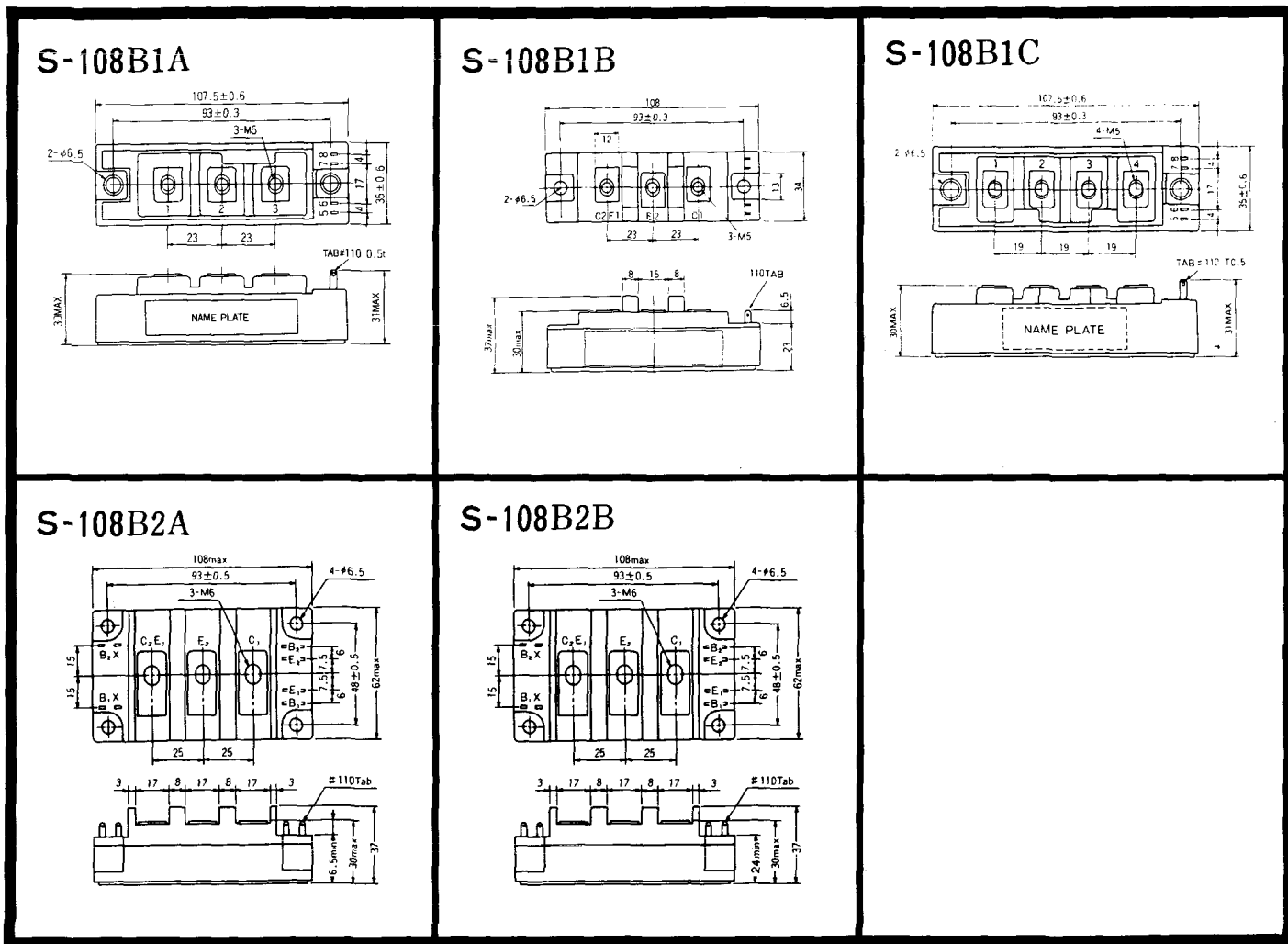
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〈寸法図単位：mm〉



〈寸法図単位：mm〉

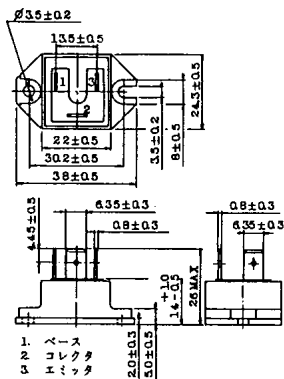
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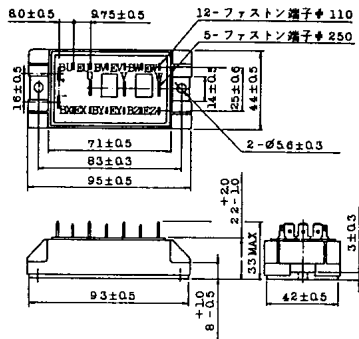
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<寸法图单位:mm>

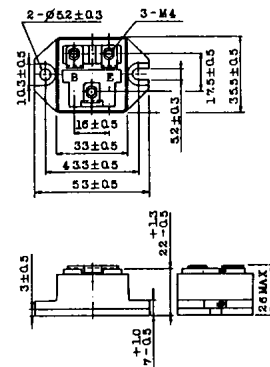
2-22B1A



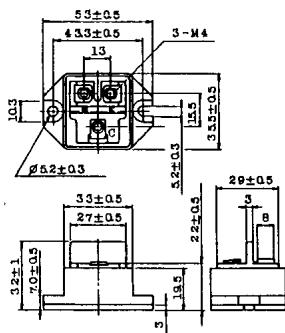
2-27A4A



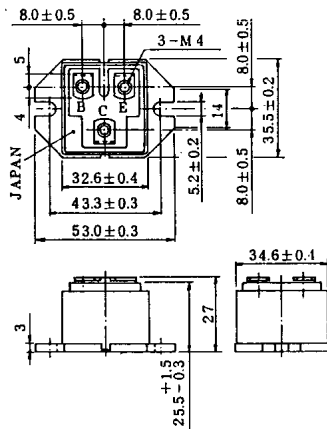
2-33C1A



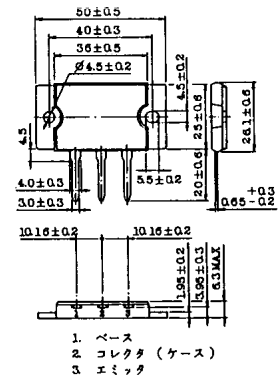
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2-33F1A

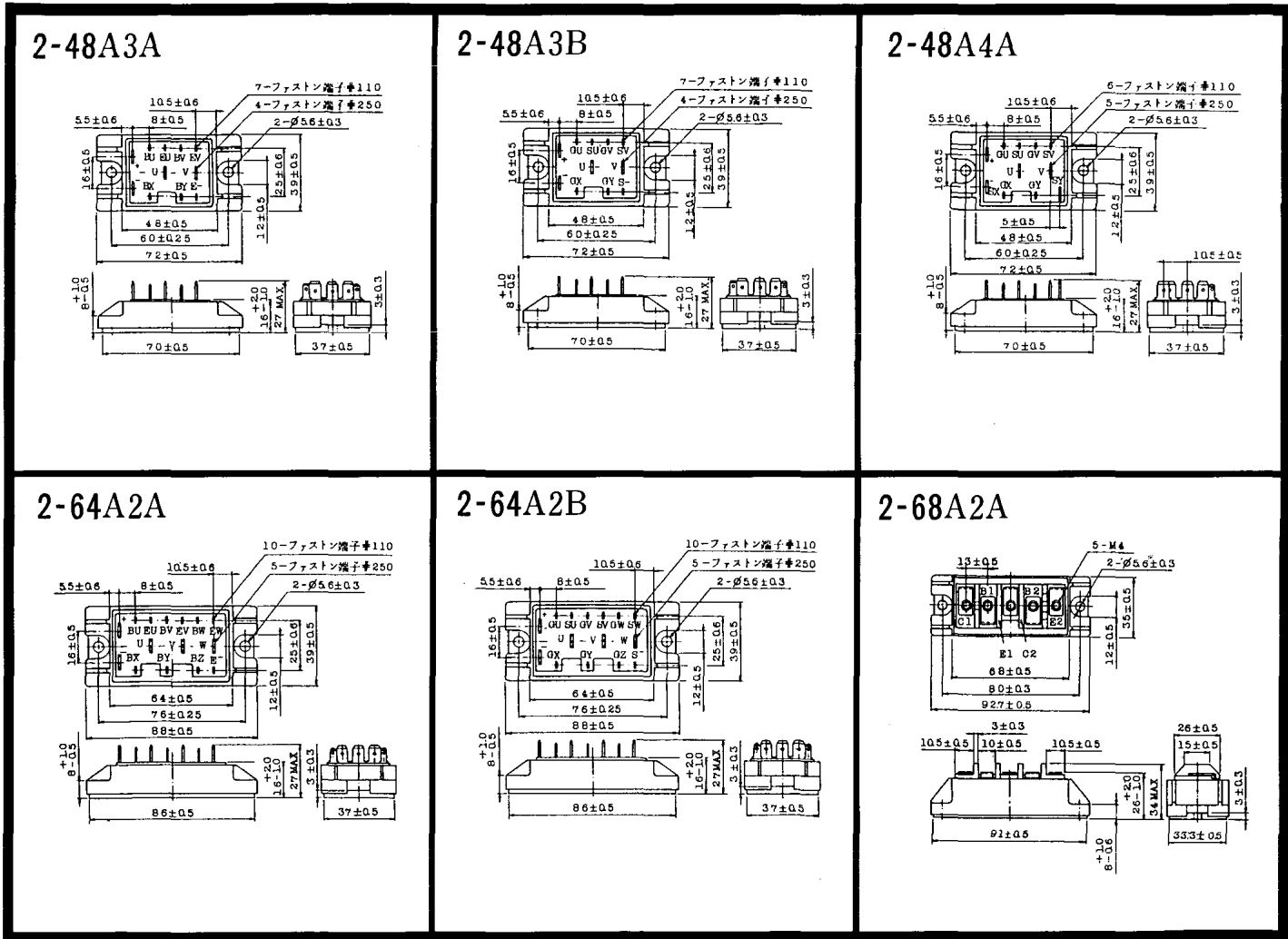


2-37A1A



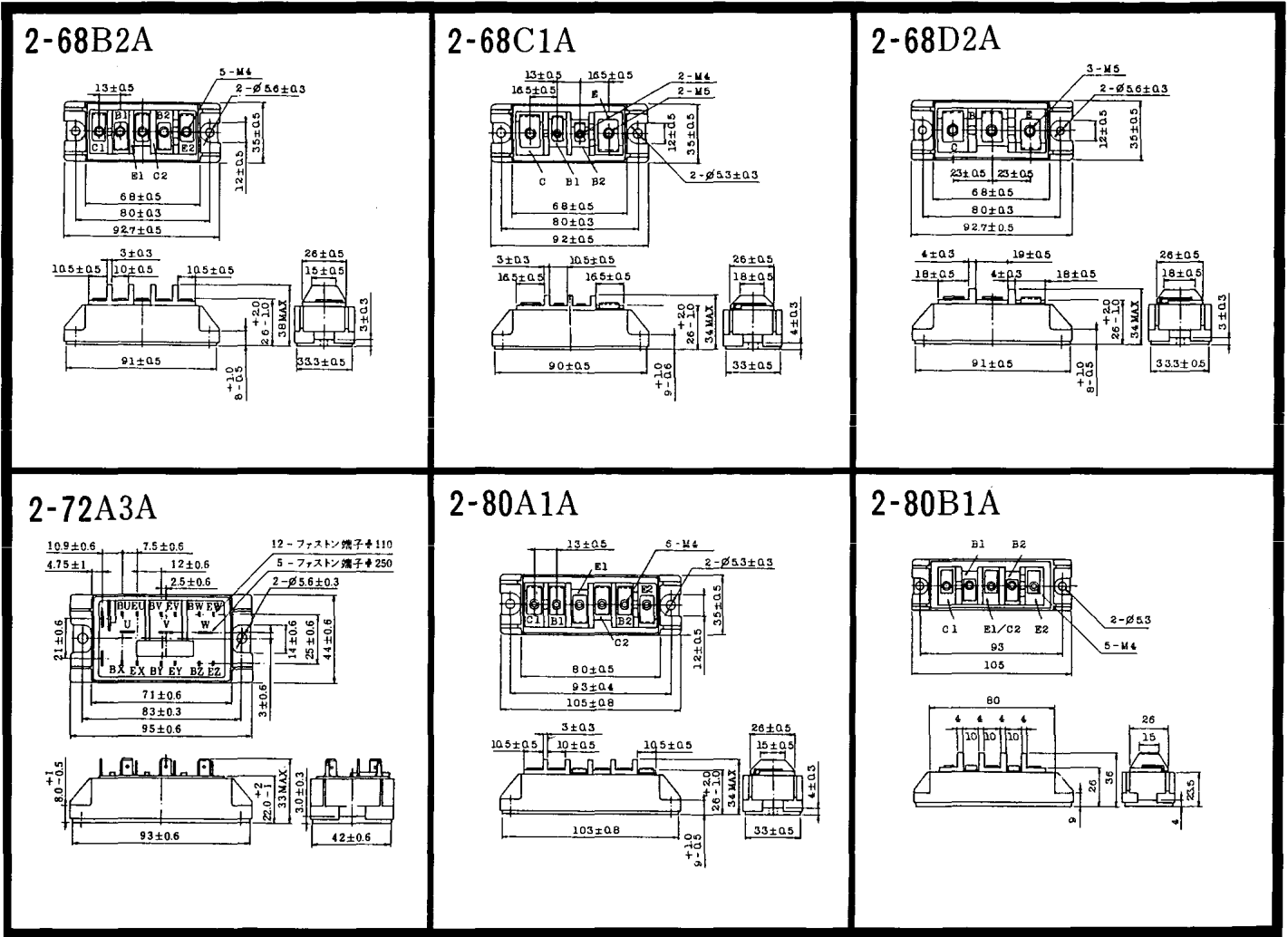
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〈寸法図単位：mm〉



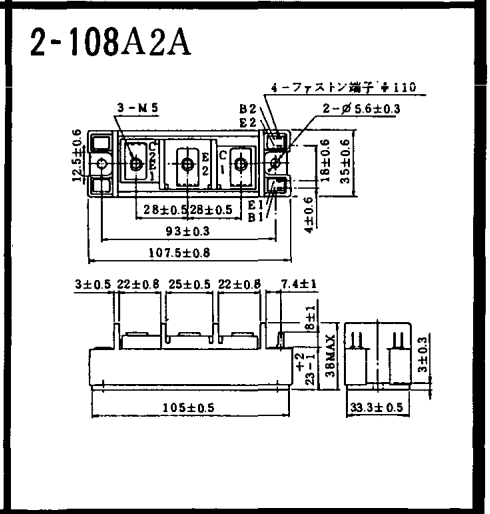
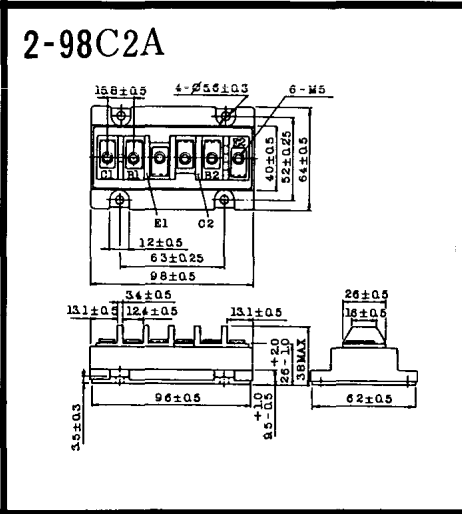
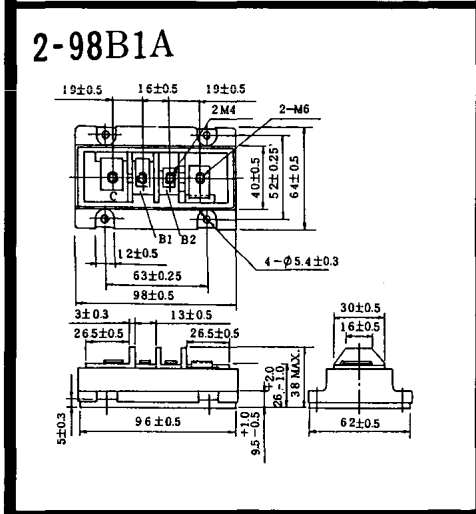
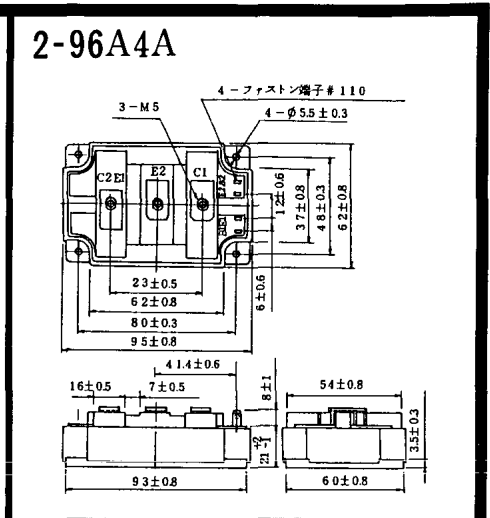
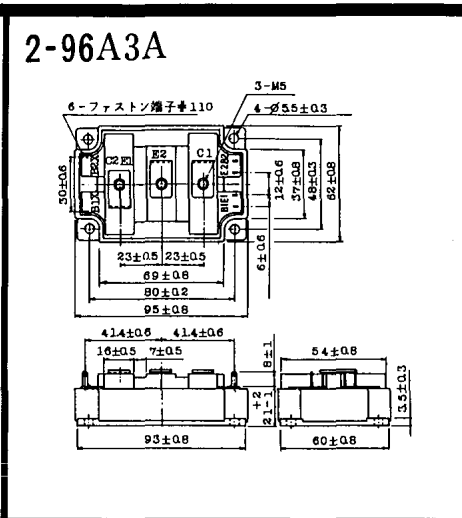
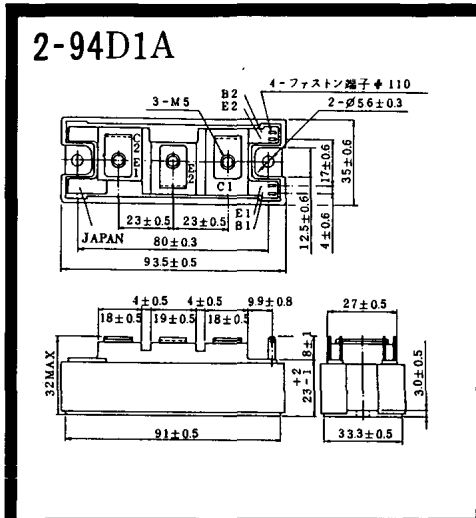
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〈寸法図単位：mm〉



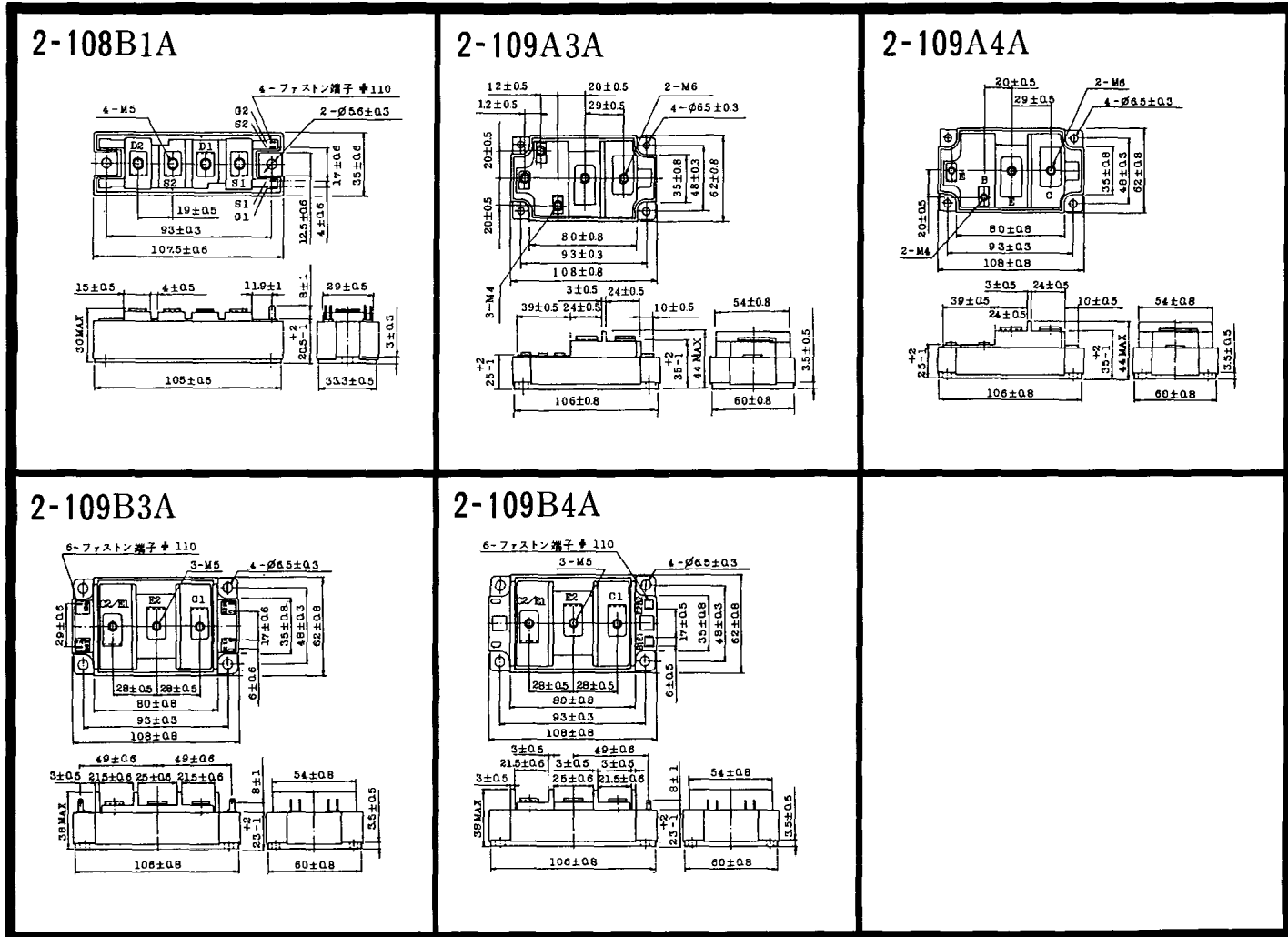
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〈寸法図単位：mm〉



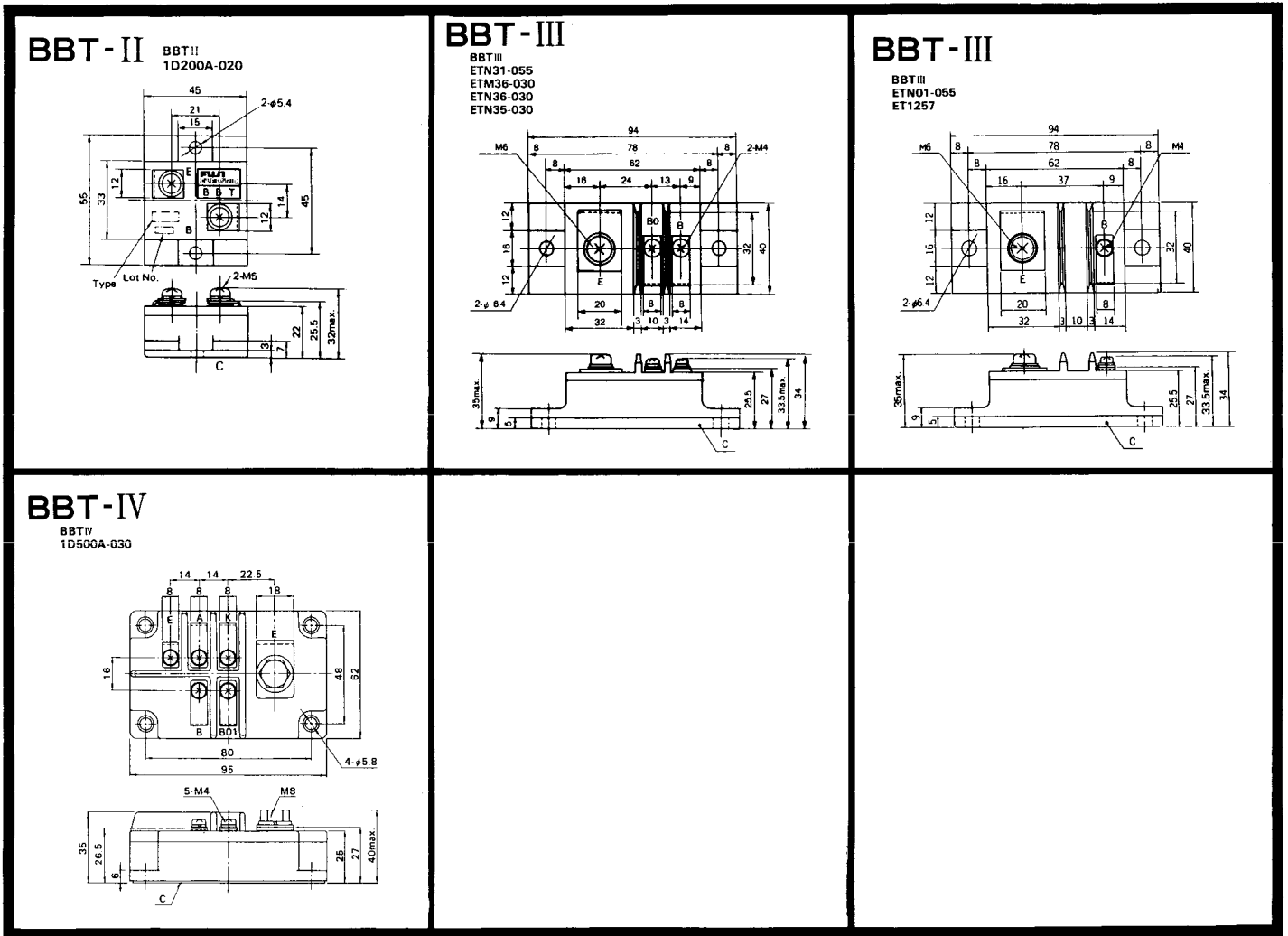
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《寸法図単位：mm》



<寸法図単位：mm>

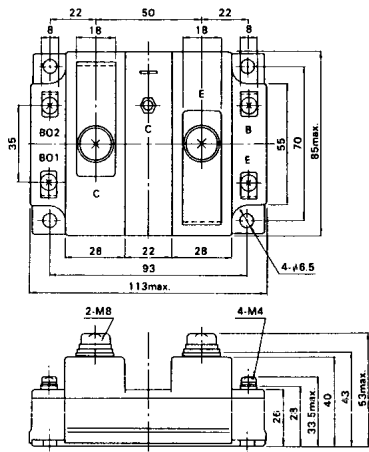
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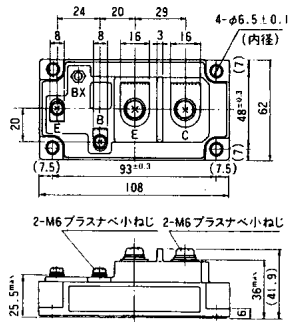
<http://store.iic.cc/>

〈寸法图单位:mm〉

M-107

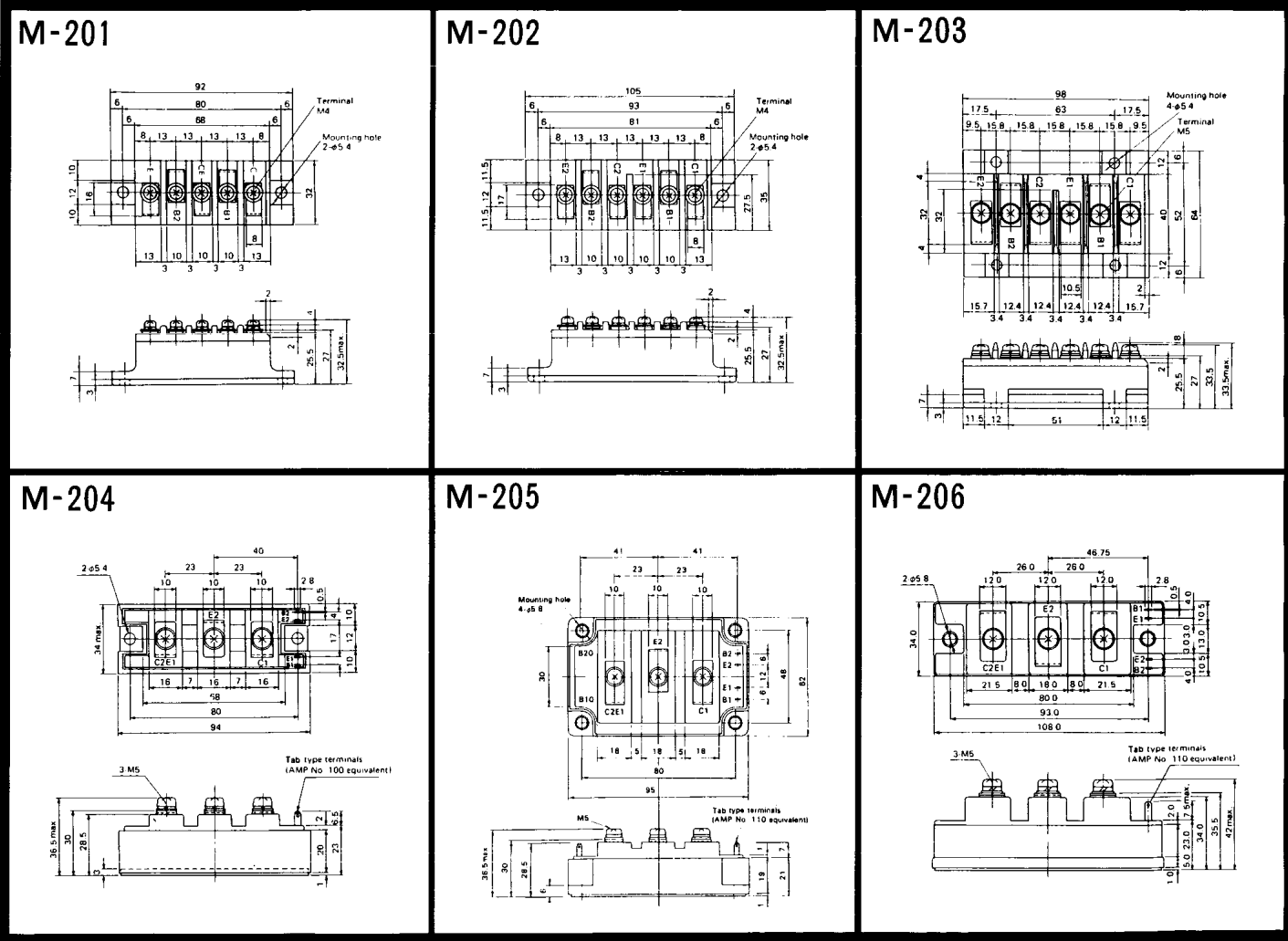


M-116



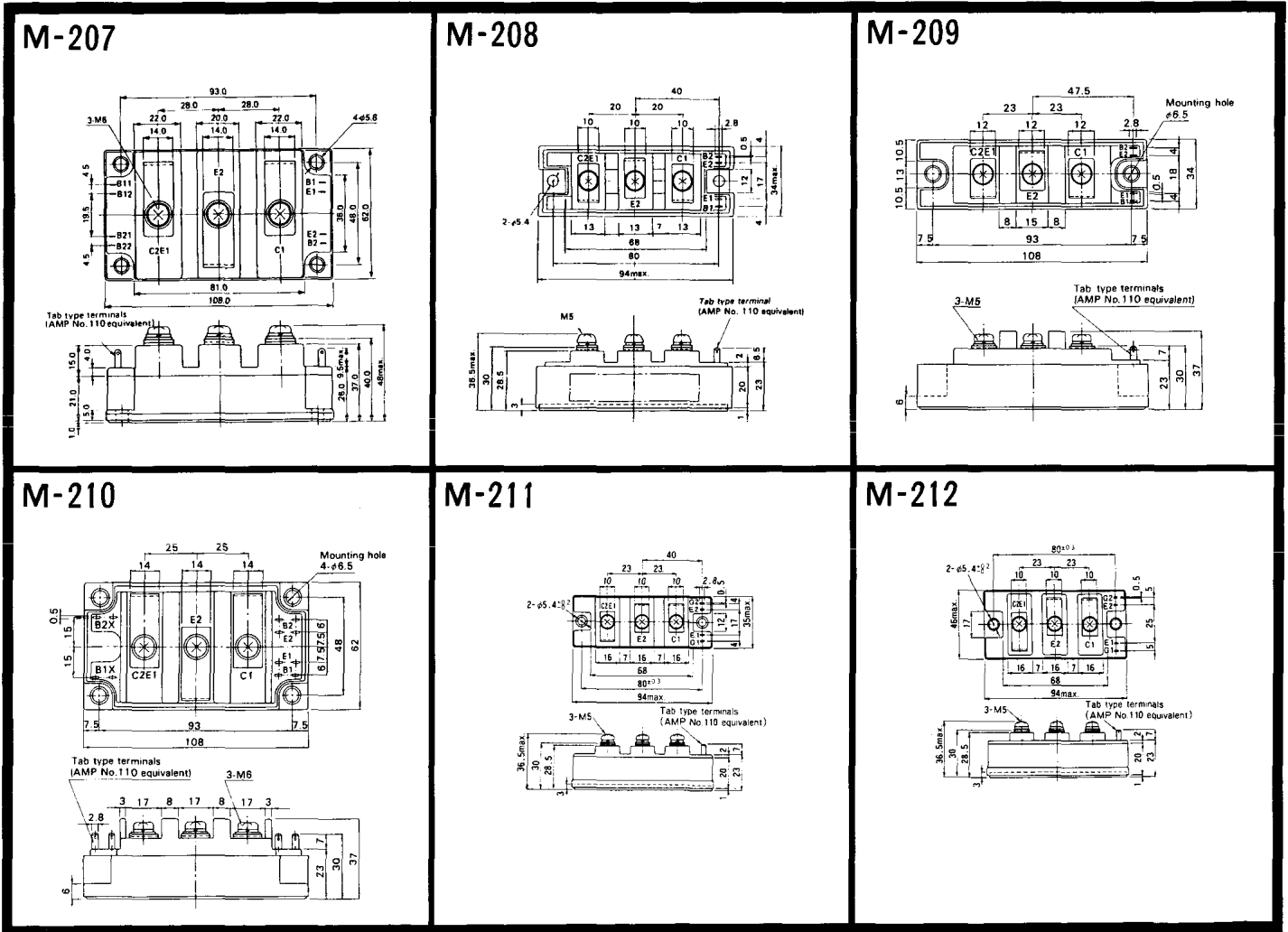
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〈寸法図単位：mm〉



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

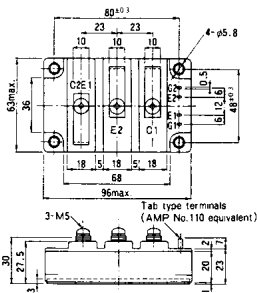
〈寸法図単位：mm〉



《寸法図単位：mm》

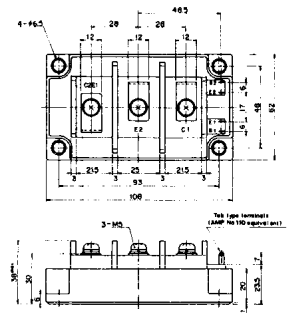
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M-213

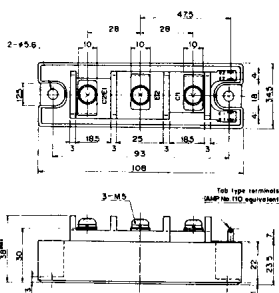


M-214

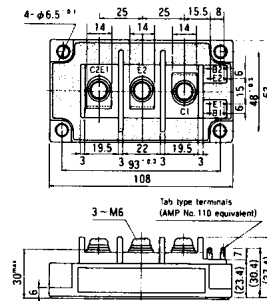
M-215



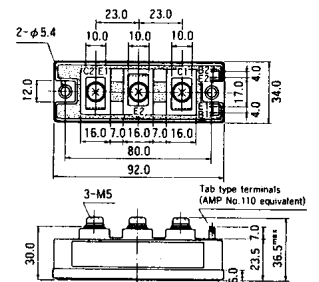
M-216



M-217



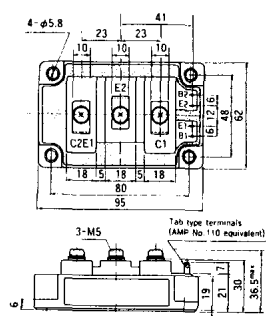
M-218



〈 寸法図単位:mm 〉

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

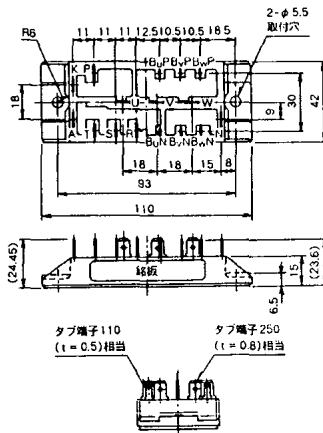
M-219



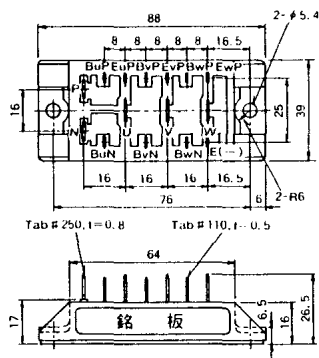
〈寸法図単位:mm〉

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

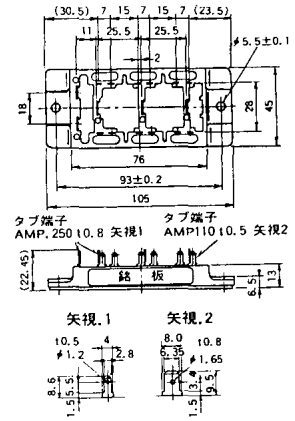
M-2E6A



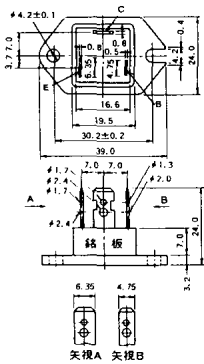
M-2F6A



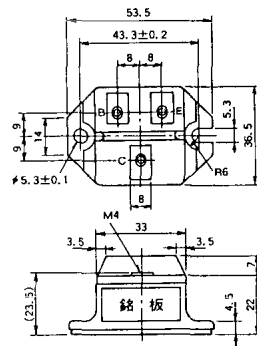
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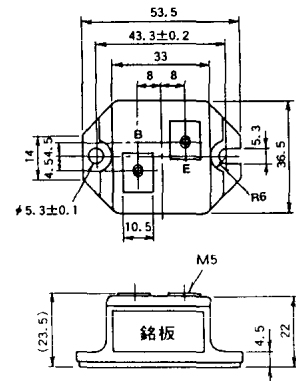
M-3A1A



M-3B1A



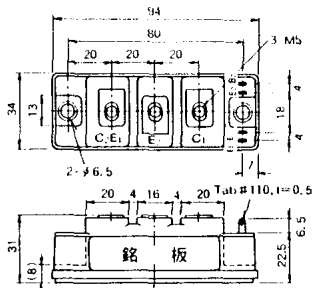
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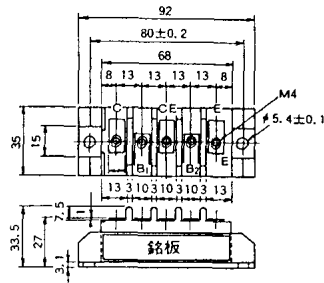
《寸法図単位:mm》

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

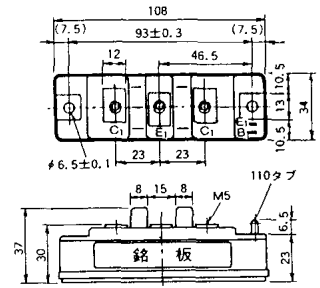
M-4A2B



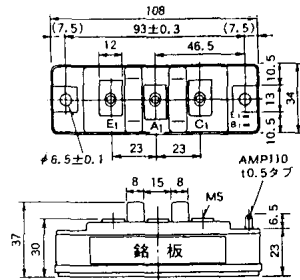
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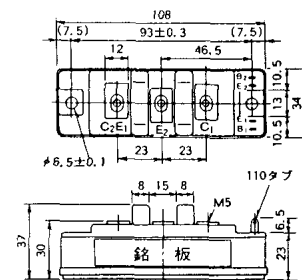
M-5A1A



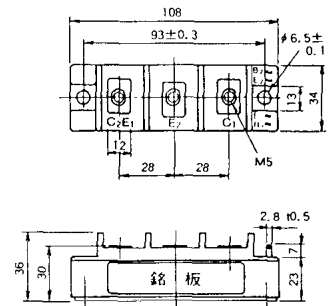
M-5A1B



M-5A2A



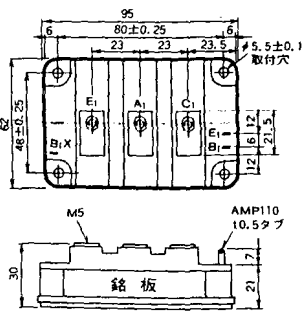
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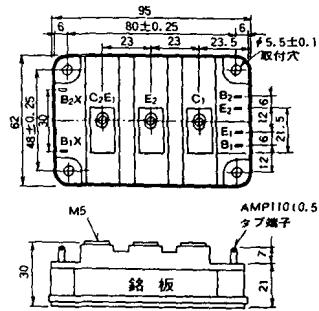
《寸法図単位:mm》

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

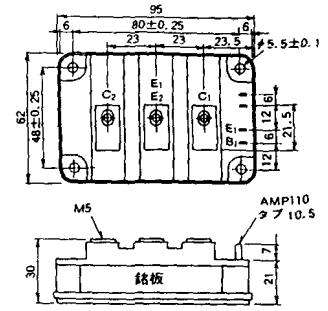
M-8A1B



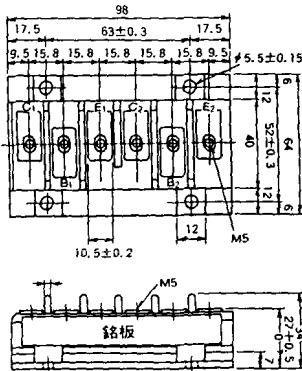
M-8A2A



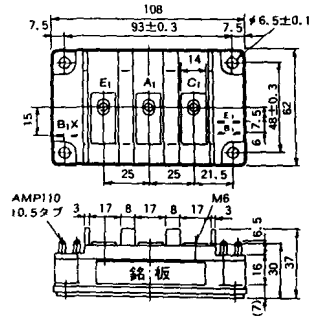
M-8A2B



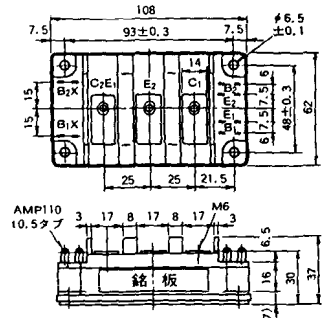
M-8B2A



M-9A1A

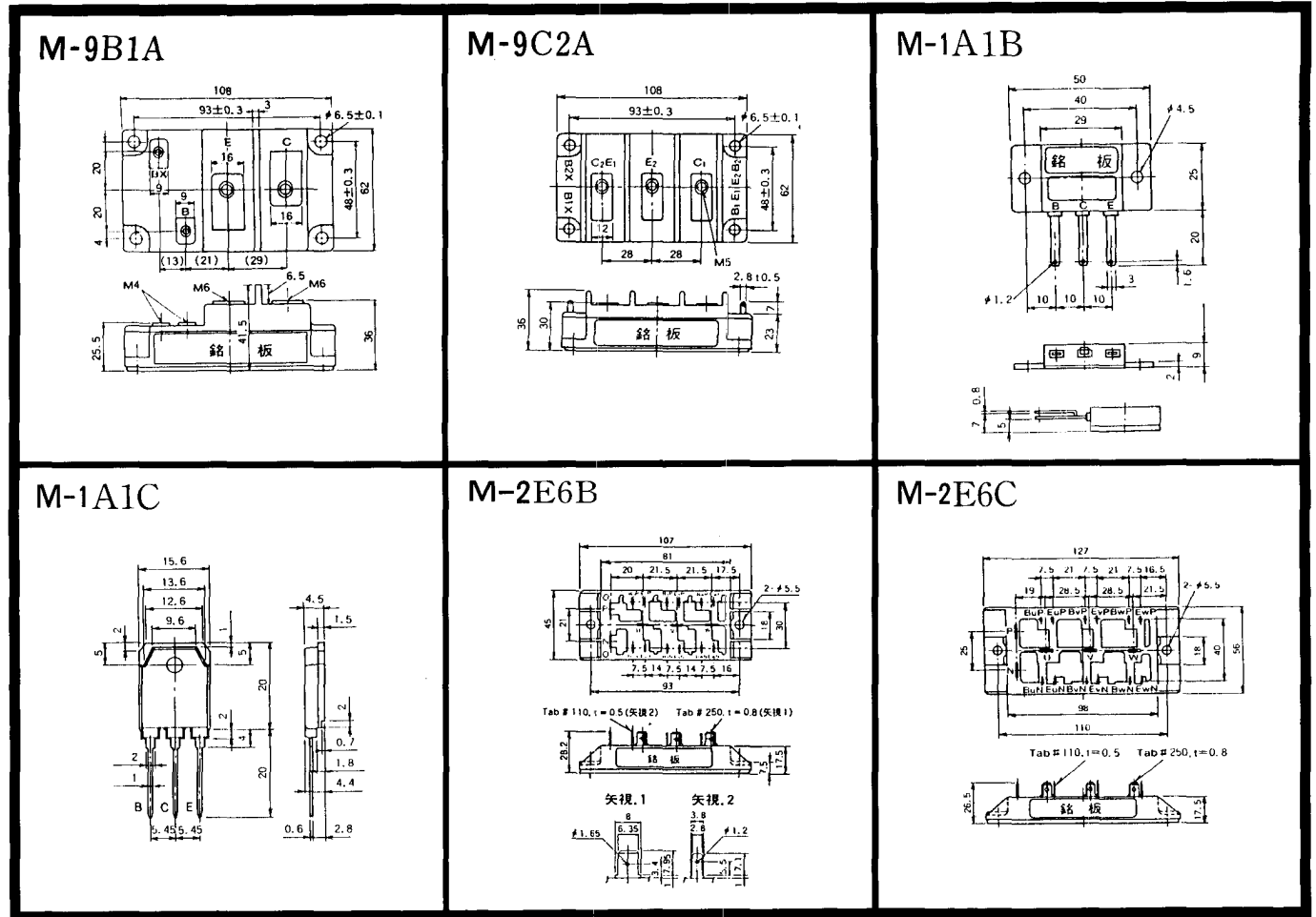


M-9A2A



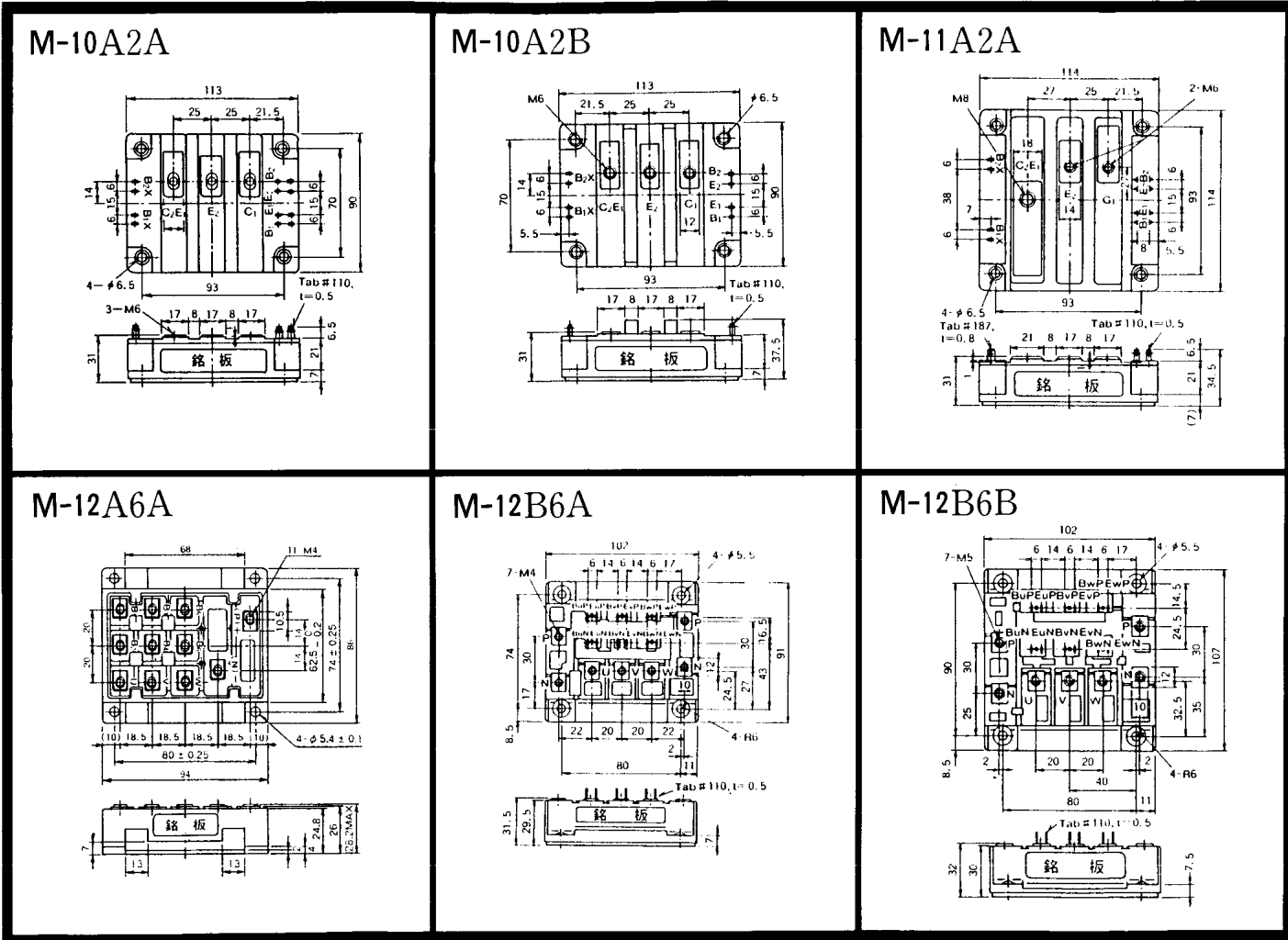
《寸法図単位:mm》

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



《寸法图单位:mm》

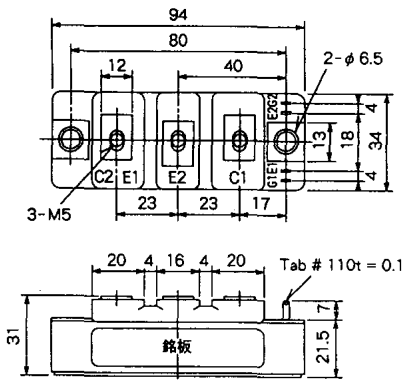
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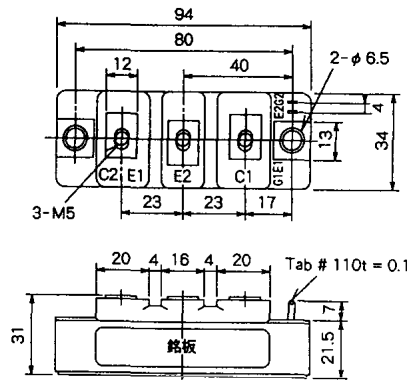
《寸法図単位：mm》

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

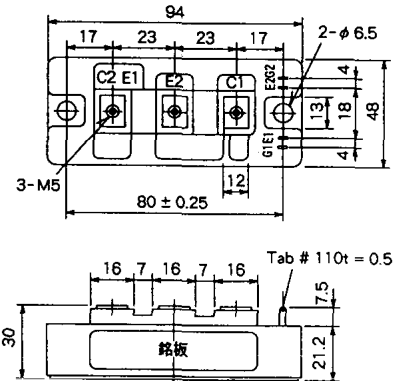
M-4A2D



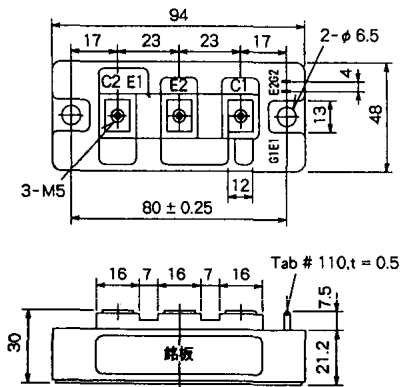
M-4A2E



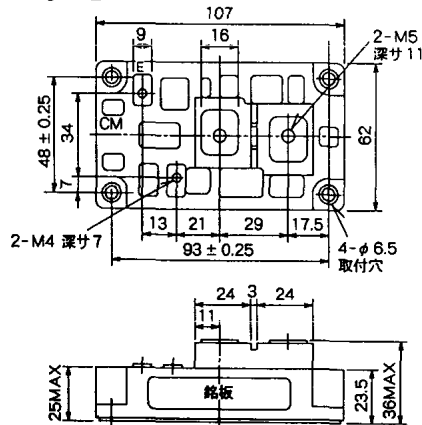
M-4C2A



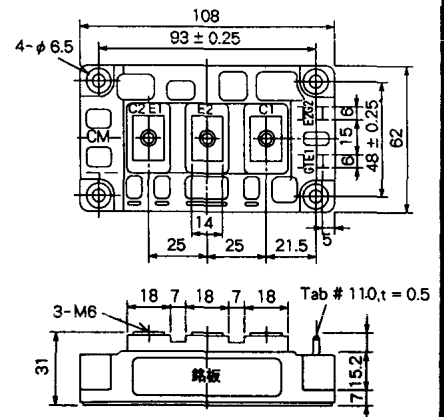
M-4C2B



M-9B1C

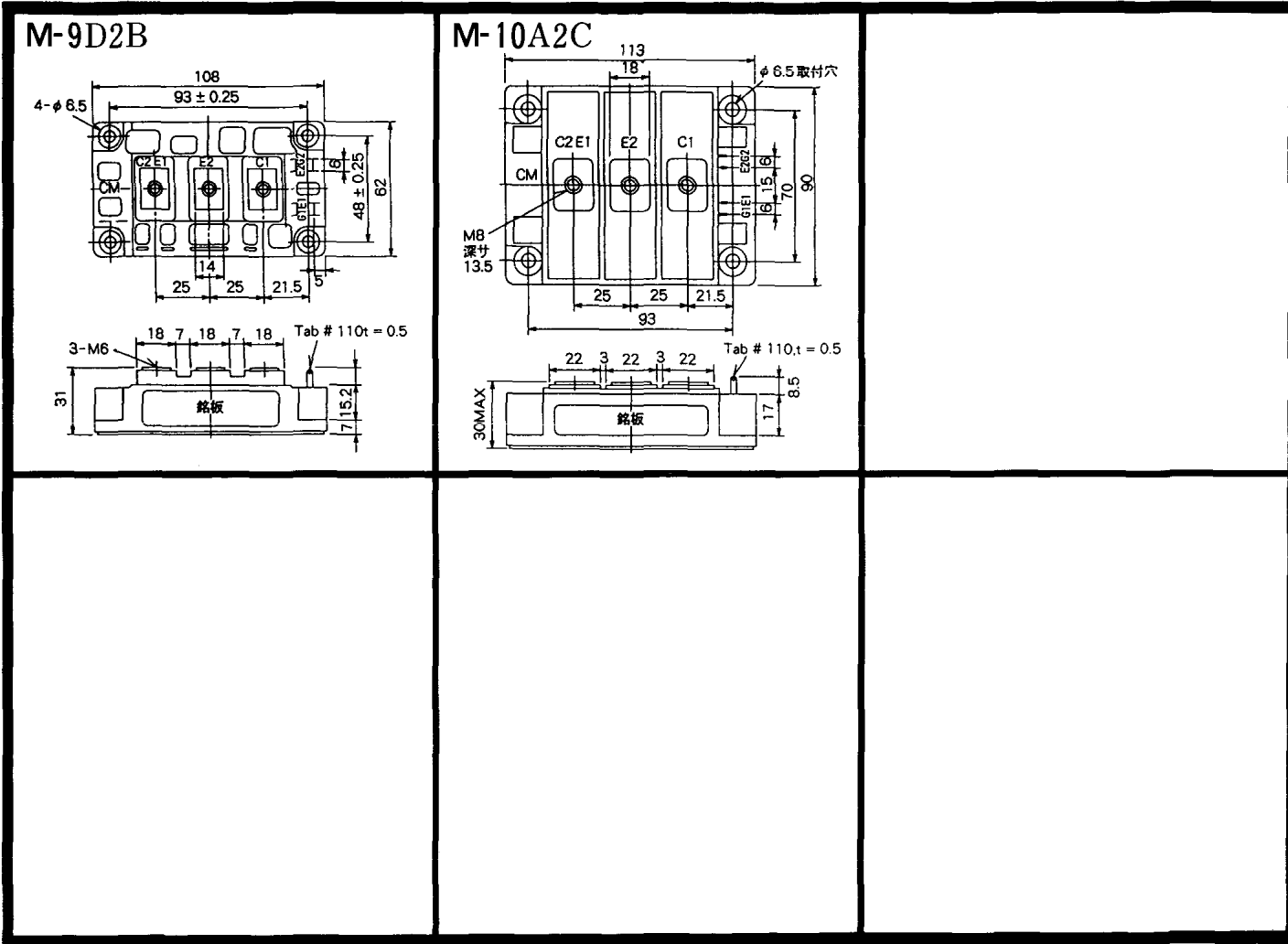


M-9D2A



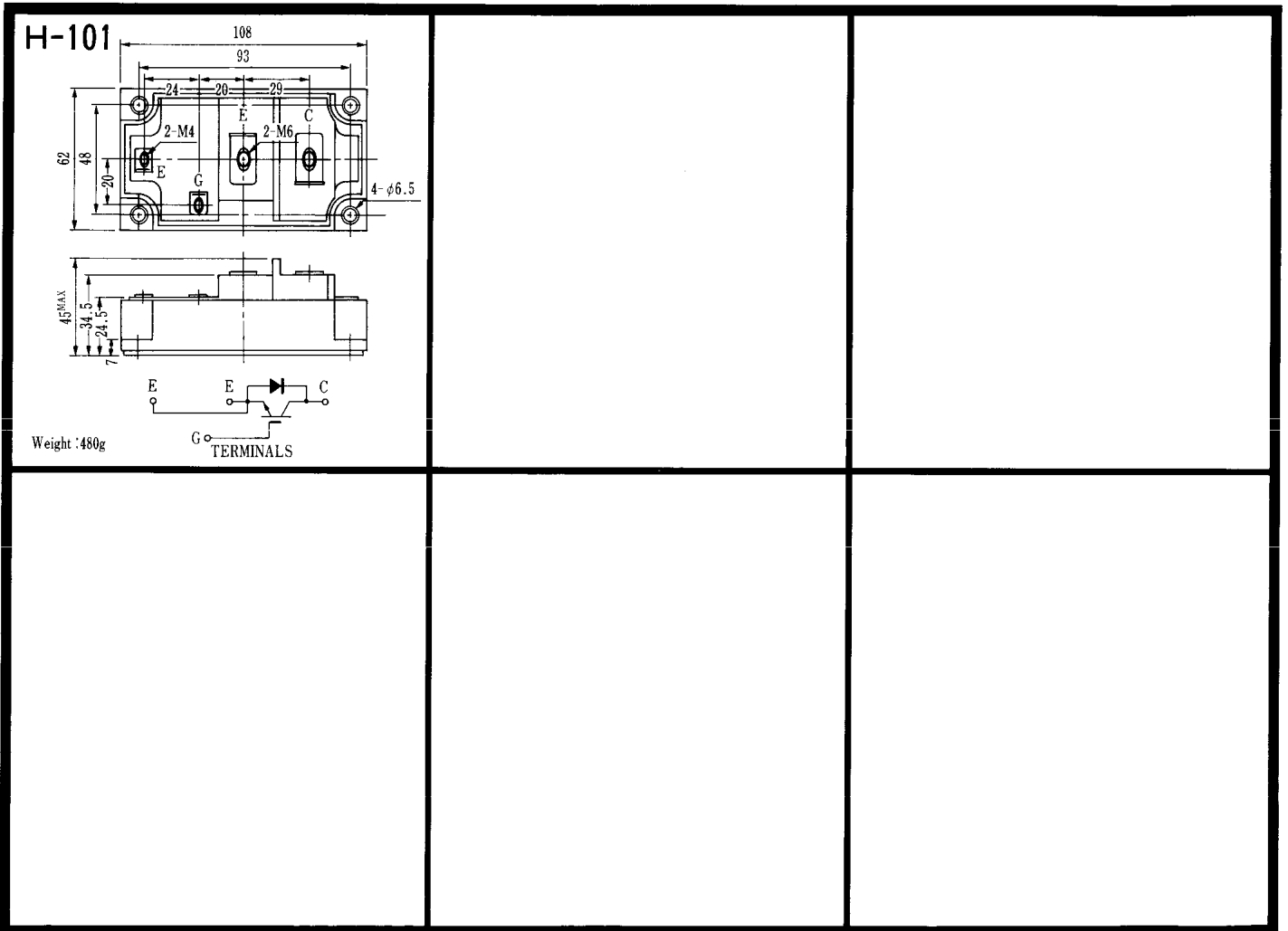
〈寸法図単位：mm〉

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



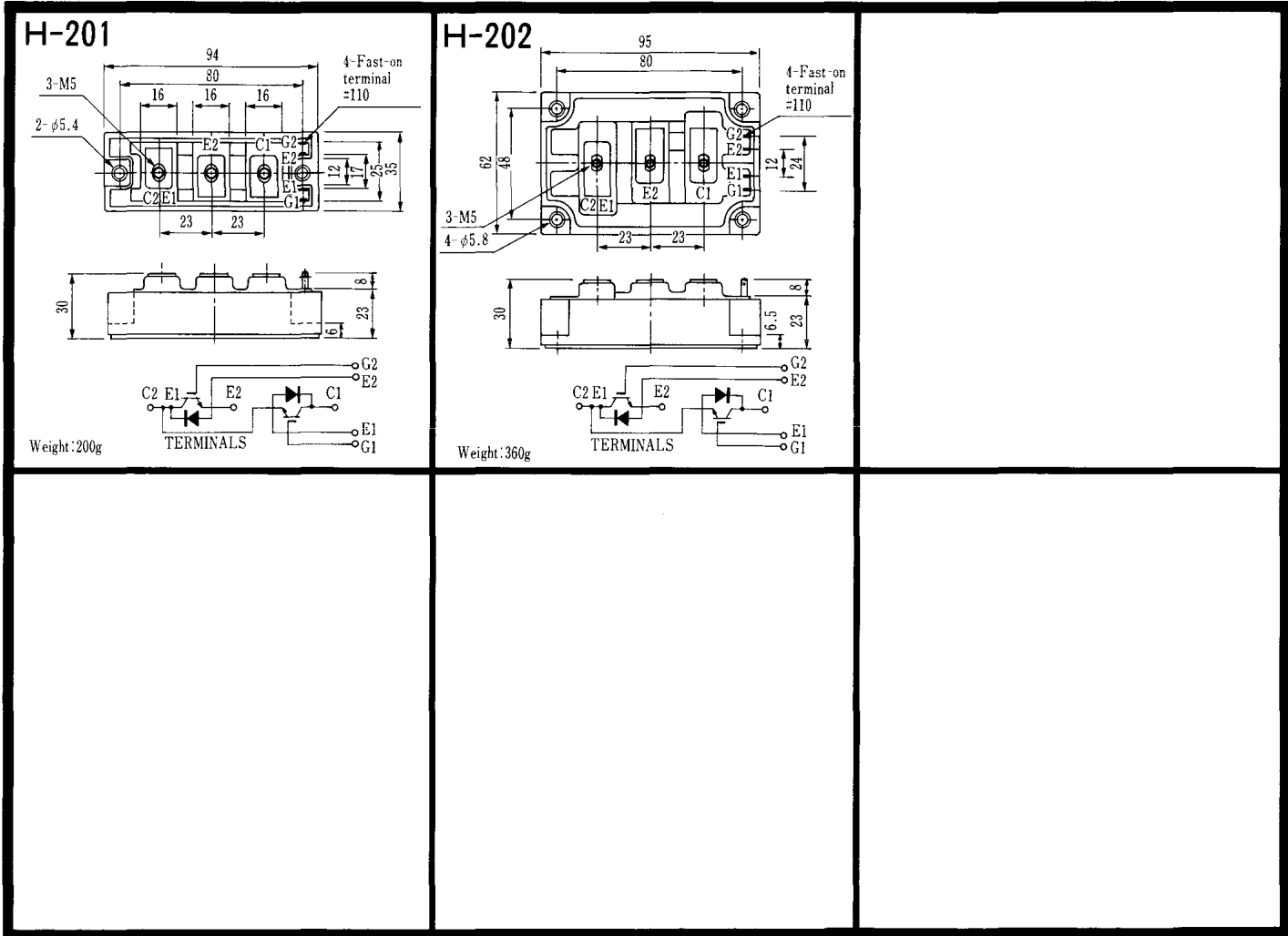
〈寸法図単位：mm〉

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



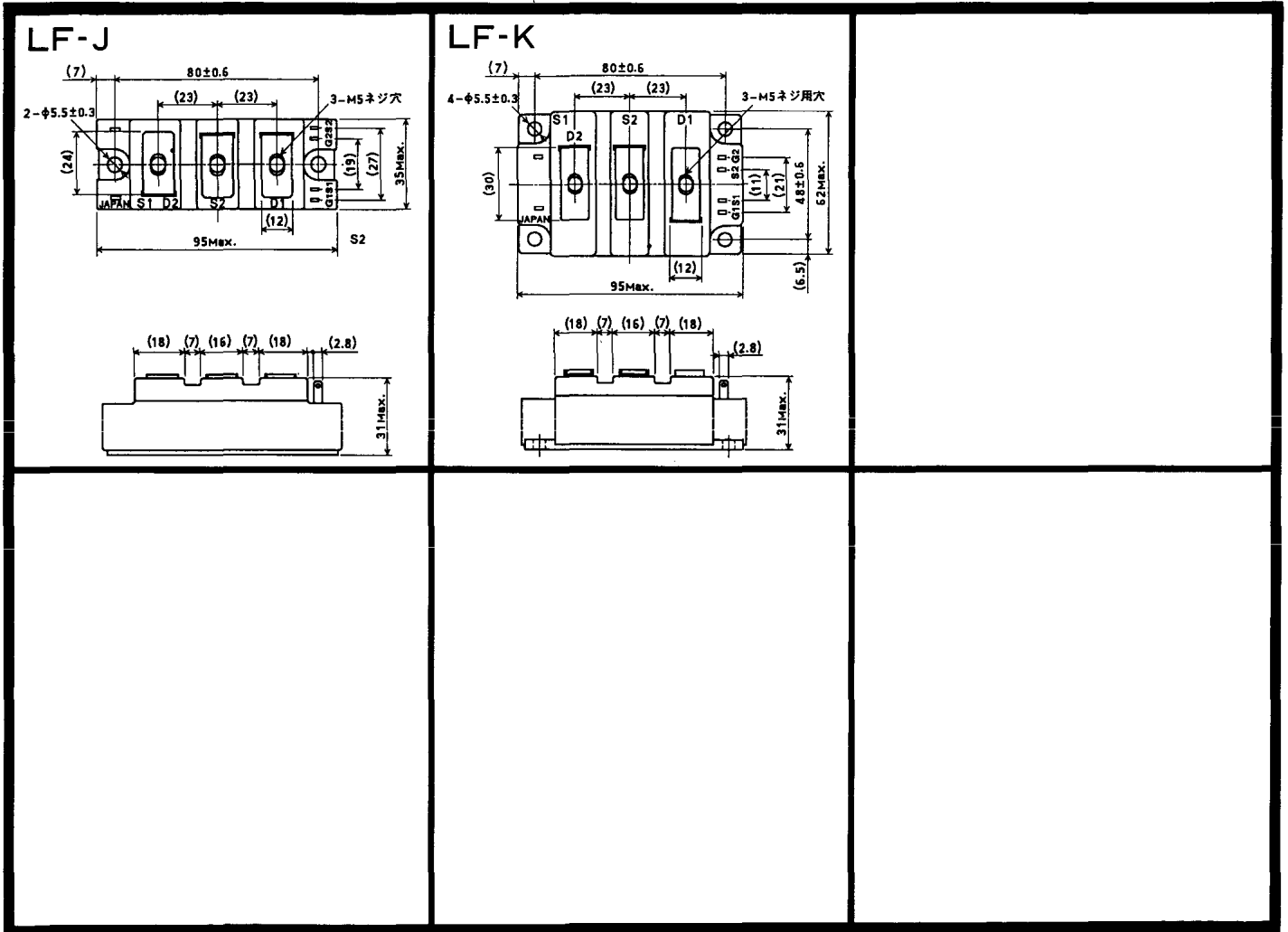
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《寸法图单位:mm》



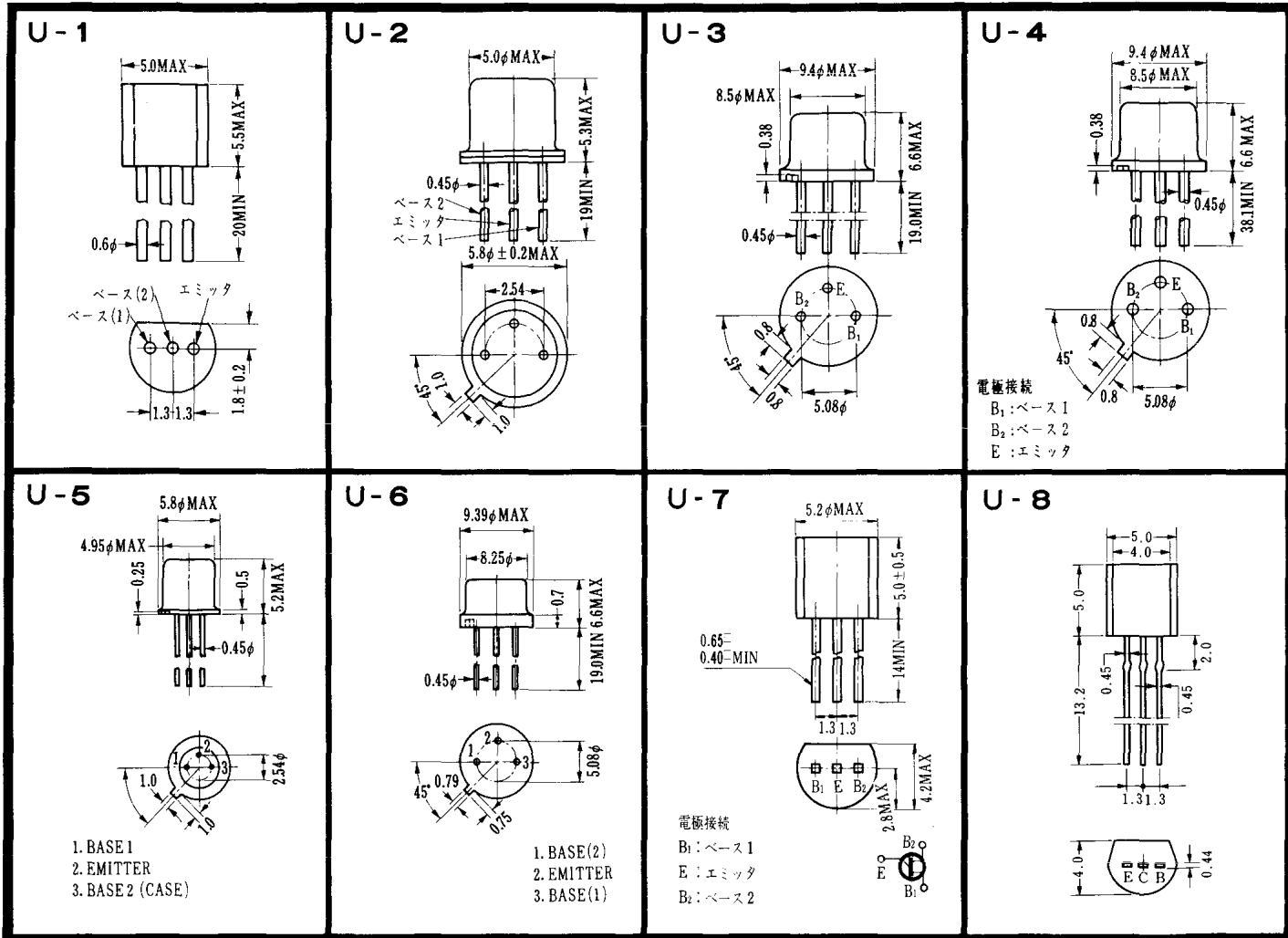
〈寸法図単位:mm〉

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



〈寸法図単位：mm〉

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



〈寸法図単位: mm〉

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