

A 一般用整流素子 SILICON RECTIFIER DIODES FOR GENERAL USE

1 小電力用 SMALL RECTIFIER DIODES

Type No.	Color Code	VRRM V	VRSM V	IO A	IFSM A	IR μ A	VF V	Tjw Tstg $^{\circ}$ C	Rth(j-a) $^{\circ}$ C/W	Weight g	Outline No.
1G4 6 8	Blue Yellow Orange	400 600 800		0.75	20	10	1.2 (IFM=1.0A)	-40) +150	130		1
EC10DS1 2 4	— — —	100 200 400	250 400 600	1	25	10	1.1 (IFM=1A)	-40) +150	108 alumina substrate mounted	0.06	2
11ES1 2	— —	100 200	250 400	1	45	50	1.0 (IFM=1A)	-40) +150	110 P.C. board mounted	0.17	1
11E1 2 4	White Red Blue	100 200 400	250 400 600	1	45	50 10	1.0 (IFM=1A)	-40) +150	120	0.21	1
10E1 2 4 6	White Red Blue Yellow	100 200 400 600	250 400 600 800	1	50	50 10	0.9 (IFM=1A)	-40) +150	91	0.33	1
1H4 6	Blue Yellow	400 600		1.0	35	10	1.0 (IFM=1.0A)	-40) +150	120		1
20E1 2 4 6	— — — —	100 200 400 600	250 400 600 800	1.7	80	10	0.92 (IFM=1.7A)	-40) +150	70 P.C. board mounted	0.38	1
30D1 2 4	— — —	100 200 400	250 400 600	3	150	50	0.93 (IFM=3A)	-40) +150	34 with Cu fin 20 \times 11(mm) 2 sheets	1.24	1
NSD03A10 20 40	— — —	100 200 400	— — —	3	80	50	1.0 (IFM=3A)	-40) +150	89 alumina substrate mounted	0.16	3

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2 中・大電力用 (スタッド型・Mシリーズ) POWER RECTIFIER DIODES (STUD TYPE・M-SERIES)

Type No.	VRRM V	VRSM V	IF(RMS) A	IO A	IFSM A	I ² t A ² s	IRM mA	VFM V	Tjw $^{\circ}$ C	Tstg $^{\circ}$ C	Rth(j-c) $^{\circ}$ C/W	Weight g	Torque N \cdot m (kg \cdot cm)	Outline No.
61M10 20 40 60 80 100 120 140 160	100 200 400 600 800 1,000 1,200 1,400 1,600	200 300 600 800 1,000 1,200 1,400 1,600 1,800	94	60	1,000	5,000	10	1.30 (IFM =180A)	-40) +175	-40) +175	0.5	21	2.9 2.4 29.6 24.5	23
150M10 20 40	100 200 400	200 300 500	235	150	3,000	45,000	40	1.5 (IFM =500A)	-60) +175	-60) +200	0.3		12.5 11 127 112	26
151M60 80 100 120 140 160	600 800 1,000 1,200 1,400 1,600	800 1,000 1,200 1,400 1,600 1,800	235	150 (Tc= 114 $^{\circ}$ C)	3,000	45,000	20 (Tj= 175 $^{\circ}$ C VRRM)	1.4 (IFM =500A)	-40) +175	-40) +175	0.3	110	20 17 207 173	25
250M10 20 40	100 200 400	200 300 500	390	250	5,000	125,000	40	1.5 (IFM =800A)	-60) +175	-60) +200	0.2		28 25.2 286 257	28
251M60 80 100 120 140 160	600 800 1,000 1,200 1,400 1,600	800 1,000 1,200 1,400 1,600 1,800	390	250 (Tc= 105 $^{\circ}$ C)	4,000	80,000	30 (Tj= 175 $^{\circ}$ C, VRRM)	1.5 (IFM =800A)	-40) +175	-40) +175	0.2	220	28 22 286 224	27