

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

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

| Type No. | VRRM V | VRSM V | IF(RMS) A | IO A | IFSM A | I ² t A ² s | IRM mA | VFM V | T _{jw} °C | T _{stg} °C | R _{th(j-c)} °C/W | Weight g | Torque N·m (kgf·cm) | Outline No. |
|-------------------------|-------------------------|-------------------------|--------------|---------|-----------|--------------------------------------|-----------|------------------------|-----------------------|------------------------|------------------------------|-------------|---------------------------|----------------|
| 80MCB180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 125 | 80 | 1,600 | 12,800 | 20 | 1.63 (IFM =250A) | -40 +150 | -40 +150 | 0.45 | 98 | 17 13.5 173 138 | 32 |
| 200MCB180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 310 | 200 | 4,000 | 80,000 | 30 | 1.64 (IFM =630A) | -40 +150 | -40 +150 | 0.20 | 197 | 34 27 347 275 | 33 |
| 300MCB180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 470 | 300 | 6,000 | 180,000 | 40 | 1.64 (IFM =940A) | -40 +150 | -40 +150 | 0.14 | 450 | 43 35 430 350 | 34 |

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

| Type No. | VRRM V | VRSM V | IF(RMS) A | IO A | IFSM A | I ² t A ² s | IRM mA | VFM V | T _{jw} °C | T _{stg} °C | R _{th(j-c)} °C/W | Weight g | Torque N·m (kgf·cm) | Outline No. |
|-------------------------|-------------------------|-------------------------|--------------|---------|-----------|--------------------------------------|-----------|-------------------------|-----------------------|------------------------|------------------------------|-------------|---------------------------|----------------|
| 100MAB180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 160 | 100 | 2,000 | 20,000 | 20 | 1.6 (IFM =314A) | -40 +150 | -40 +150 | 0.3 | 105 | 17 13.5 173 138 | 32 |
| 200MAB180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 310 | 200 | 5,000 | 125,000 | 30 | 1.6 (IFM =630A) | -40 +150 | -40 +150 | 0.15 | 200 | 34 27 347 275 | 33 |
| 400MAB180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 630 | 400 | 7,500 | 281,000 | 40 | 1.7 (IFM =1,260A) | -40 +150 | -40 +150 | 0.10 | 455 | 43 35 438 357 | 34 |

7 大電力用 (平型・PJAシリーズ) (その1) POWER RECTIFIER DIODES (FLAT PACKAGE TYPE・PJA-SERIES)

| Type No. | VRRM V | VRSM V | IF(RMS) A | IO A | IFSM A | I ² t A ² s | IRM mA | VFM V | T _{jw} °C | T _{stg} °C | R _{th(j-f)} °C/W | Weight g | Mounting Force kN (kgf) | Outline No. |
|--|--|--|--------------|---------|-----------|--------------------------------------|-----------|--------------------------|-----------------------|------------------------|------------------------------|-------------|-------------------------------|----------------|
| 153PJA180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 235 | 150 | 2,000 | 20,000 | 20 | 1.89 (IFM =470A) | -40 +150 | -40 +150 | 0.18 | 45 | 8 3 816 306 | 35 |
| 253PJA60 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 | 2,700 | 36,400 | 20 | 1.80 (IFM =800A) | -60 +150 | 60 +175 | 0.18 | 45 | 8 6 816 612 | 35 |
| 303PJA180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 470 | 300 | 5,000 | 125,000 | 30 | 1.93 (IFM =940A) | -40 +150 | -40 +150 | 0.10 | 70 | 12 6 1,220 612 | 35 |
| 403PJA60 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 | 630 | 400 | 4,000 | 80,000 | 20 | 1.87 (IFM =1,260A) | -60 +150 | -60 +175 | 0.10 | 70 | 10 8 1,020 816 | 35 |
| 503PJA180 200 250 | 1,800 2,000 2,500 | 2,000 2,200 2,750 | 785 | 500 | 7,500 | 281,000 | 40 | 1.84 (IFM =1,500A) | -40 +150 | -40 +150 | 0.06 | 120 | 15 10 1,530 1,020 | 35 |
| 603PJA250 300 400 | 2,500 3,000 4,000 | 2,750 3,300 4,400 | 940 | 600 | 10,000 | 500,000 | 30 | 1.85 (IFM =1,900A) | -40 +150 | -40 +150 | 0.05 | 240 | 15 12 1,530 1,220 | 36 |
| 703PJA60 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 | 1,100 | 700 | 9,000 | 405,000 | 50 | 1.67 (IFM =2,200A) | -60 +150 | -60 +175 | 0.06 | 120 | 15 10 1,530 1,020 | 35 |
| 801PJA250 300 400 | 2,500 3,000 4,000 | 2,750 3,300 4,400 | 1,250 | 800 | 16,000 | 1.28×10 ⁶ | 60 | 1.56 (IFM =2,500A) | -40 +150 | -40 +150 | 0.03 | 400 | 35 30 3,570 3,060 | 37 |
| 1003PJA250 300 | 2,500 3,000 | 2,750 3,300 | 1,570 | 1,000 | 20,000 | 2×10 ⁶ | 50 | 1.43 (IFM =3,140A) | -40 +150 | -40 +150 | 0.03 | 430 | 35 30 3,570 3,060 | 38 |
| 1500PJA10 20 40 | 100 200 400 | 120 240 480 | 2,350 | 1,500 | 18,000 | 1.62×10 ⁶ | 50 | 1.37 (IFM =4,700A) | -40 +150 | -40 +150 | 0.03 | 85 | 15 10 1,530 1,020 | 39 |
| 1603PJA250 300 | 2,500 3,000 | 2,750 3,300 | 2,500 | 1,600 | 32,000 | 5.1×10 ⁶ | 50 | 1.60 (IFM =5,000A) | -40 +150 | -40 +150 | 0.025 | 430 | 35 30 3,570 3,060 | 38 |

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