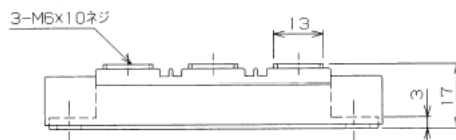
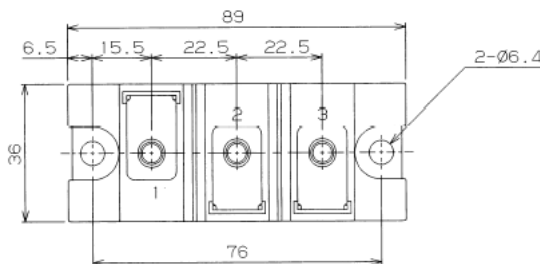
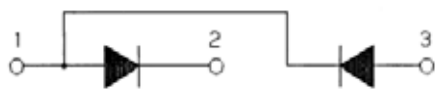


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NB/3.I L/4

† 城 鋸 AGPASGR

† 鋸 鋸 鋸 M&R J GLC BP?UGLE



Bgkcl qgnh 8@kk

† 丘 鋸 P\_rgl eq

| Parameter                           | Symbol    | Grade     |  | Unit |
|-------------------------------------|-----------|-----------|--|------|
|                                     |           | PD150KN16 |  |      |
| Repetitive Peak Reverse Voltage     | $V_{RRM}$ | 1600      |  | V    |
| Non Repetitive Peak Reverse Voltage | $V_{RSM}$ | 1700      |  | V    |

| Parameter                            | Symbol       | Conditions                                   | Max. Rated Value | Unit             |       |
|--------------------------------------|--------------|--|------------------|------------------|-------|
| Average Rectified Output Current     | $I_{O(AV)}$  | Half Sine Wave, $T_c=97^\circ\text{C}$       | 150              | A                |       |
| RMS Forward Current                  | $I_{F(RMS)}$ |  | 235              | A                |       |
| Surge Forward Current                | $I_{FSM}$    | 50Hz Half Sine Wave, 1 Pulse, Non-Repetitive | 3200             | A                |       |
| $I^2t$                               | $I^2t$       | 2@10ms                                       | 51200            | A <sup>2</sup> ◆ |       |
| Operating Junction Temperature Range | $T_{jw}$     |  | -40 @ +150       | °C               |       |
| Storage Temperature Range            | $T_{stg}$    |  | -40 @ +125       | °C               |       |
| Isolation Voltage                    | $V_{iso}$    | Terminal to Base, AC 1min.                   | 2500             | V                |       |
| Mounting Torque                      | ×            | Greased                                      | M6               | 2.5 @ 3.5        | N(g)m |
|                                      |              |  | M6               | 2.5 @ 3.5        | N(g)m |

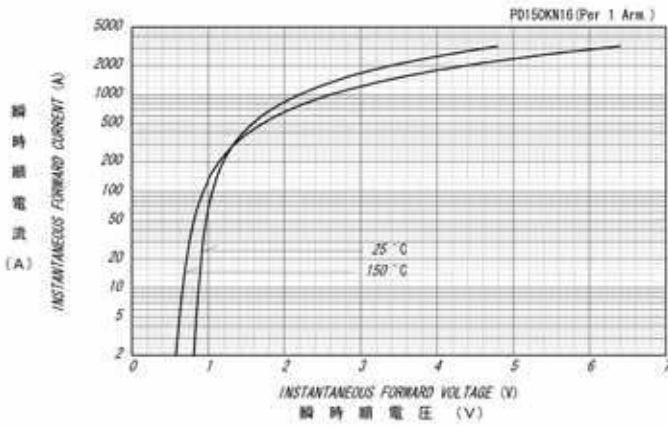
† 鋸 鋸 Af\_p arcpgq gaq

| Parameter            | Symbol        | Conditions                                      | Maximum Value | Unit |
|----------------------|---------------|---|---------------|------|
| Peak Reverse Current | $I_{RM}$      | $T_j=150^\circ\text{C}$ ( $V_{RM}=V_{RRM}$ )    | 15            | mA   |
| Peak Forward Voltage | $V_{FM}$      | $T_j=25^\circ\text{C}$ ( $I_{FM}=450\text{A}$ ) | 1.51          | V    |
| Thermal Resistance   | $R_{th(j-c)}$ | Junction to Case                                | 0.21          | °C/W |
| Thermal Resistance   | $R_{th(c-f)}$ | Case to Fin, Greased                            | 0.2           | °C/W |

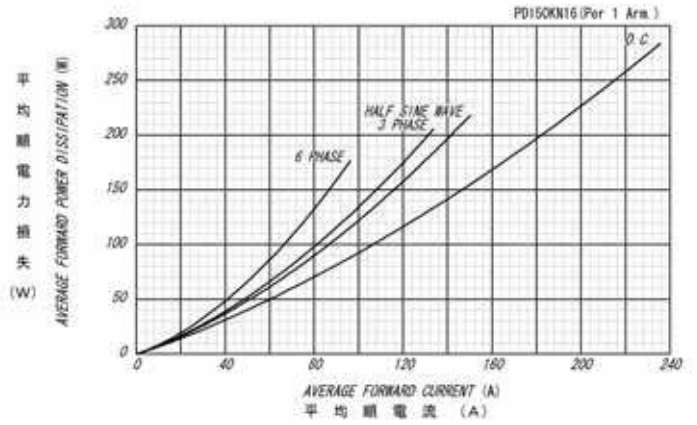
Approximate Weight 150g

\*1(h) 鋸 鋸 鋸 鋸 Value Per 1 Arm.

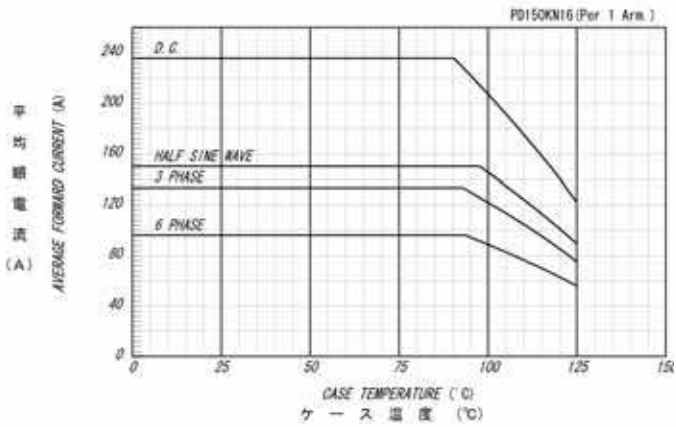
順電圧特性  
FORWARD CURRENT VS. VOLTAGE



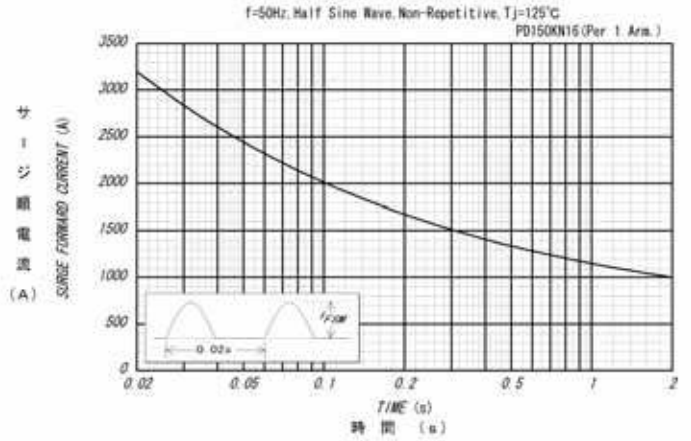
平均順電力損失特性  
AVERAGE FORWARD POWER DISSIPATION



平均順電流 - ケース温度定格  
AVERAGE FORWARD CURRENT VS. CASE TEMPERATURE



サージ順電流定格  
SURGE CURRENT RATINGS



過渡熱抵抗特性  
MAXIMUM TRANSIENT THERMAL IMPEDANCE

