**Features：**

- Isolated mounting base 3000V~
- Pressure contact technology with Increased power cycling capability
- Space and weight saving

**Typical Applications**

- Various rectifiers
- DC supply for PWM inverter

| $V_{RSM}$ | $V_{RRM}$ | 品名 |
|---|---|---|
| 2100V | 2000V | Mx1000D200C |
| 2300V | 2200V | Mx1000D220C |
| 2600V | 2500V | Mx1000D250C |

| SYMBOL | CHARACTERISTIC | TEST CONDITIONS | $T_j$(°C) | VALUE | | | UNIT |
|---|---|---|---|---|---|---|---|
| | | | | Min. | Typ. | Max. | |
| $I_{F(AV)}$ | Mean forward current | 180° half sine wave 50Hz Single side cooled, $T_C$=100°C | 150 | | | 1000 | A |
| $I_{F(RMS)}$ | RMS forward current | | 150 | | | 1570 | A |
| $I_{RRM}$ | Repetitive peak current | at $V_{RRM}$ | 150 | | | 50 | mA |
| $I_{FSM}$ | Surge forward current | 10ms half sine wave $V_R$=0.6$V_{RRM}$ | 150 | | | 28 | kA |
| $I^2t$ | $I^2t$ for fusing coordination | | | | | 3920 | $A^2s*10^3$ |
| $V_{FO}$ | Threshold voltage | | 150 | | | 0.72 | V |
| $r_F$ | Forward slope resistance | | | | | 0.13 | mΩ |
| $V_{FM}$ | Peak forward voltage | $I_{FM}$=3000A | 25 | | | 1.44 | V |
| $R_{th(j-c)}$ | Thermal resistance Junction to case | D.C. Single side cooled per chip | | | | 0.048 | °C /W |
| $R_{th(c-h)}$ | Thermal resistance case to heatsink | D.C. Single side cooled per chip | | | | 0.020 | °C /W |
| $V_{iso}$ | Isolation voltage | 50Hz,R.M.S,t=1min,$I_{iso}$:1mA(max) | | 3000 | | | V |
| $F_m$ | Terminal connection torque(M12) | | | 12.0 | | 16.0 | N·m |
| | Mounting torque(M8) | | | 10.0 | | 12.0 | N·m |
| Tvj | Junction temperature | | | -40 | | 150 | °C |
| $T_{stg}$ | Stored temperature | | | -40 | | 125 | °C |
| $W_t$ | Weight | | | | 3660 | | g |
| Outline | M08 | | | | | | |

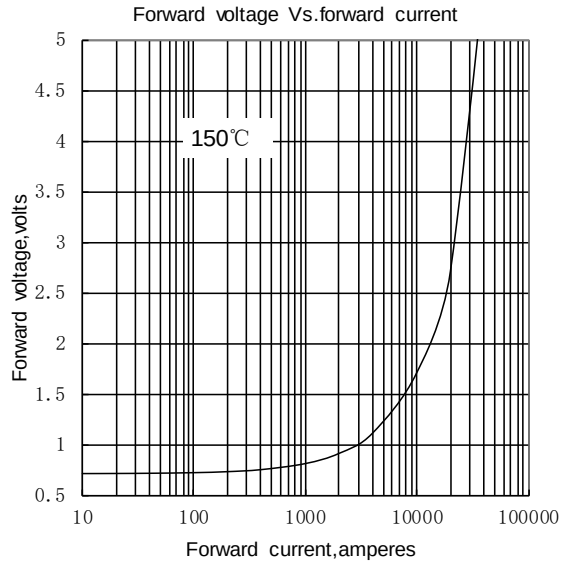



Fig.1

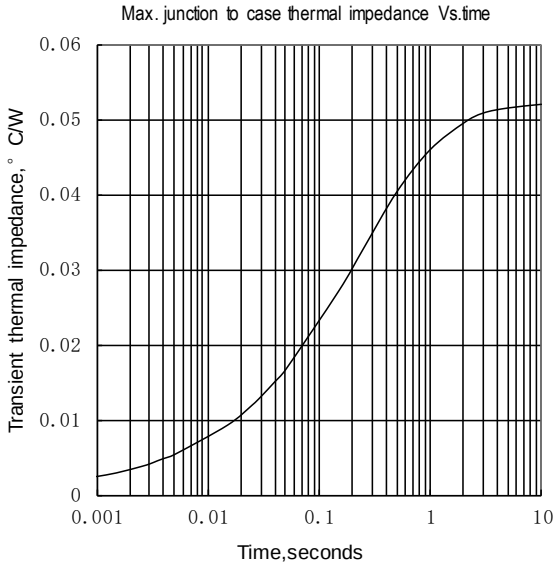



Fig.2

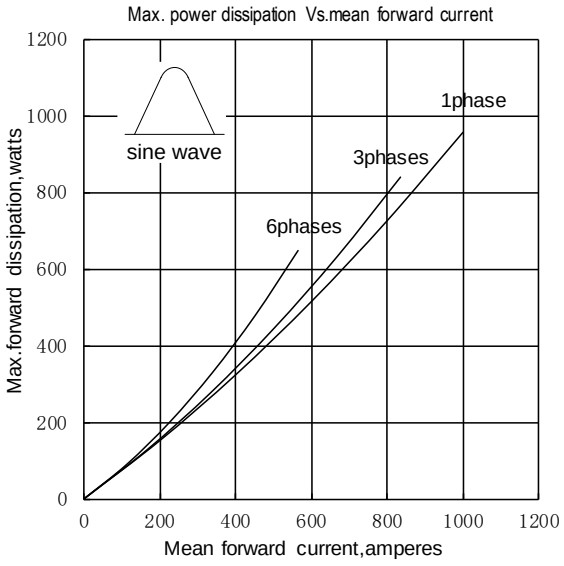



Fig.3

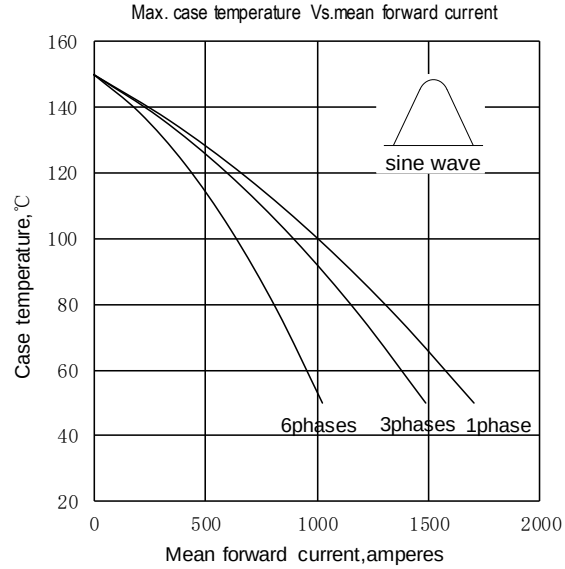



Fig.4

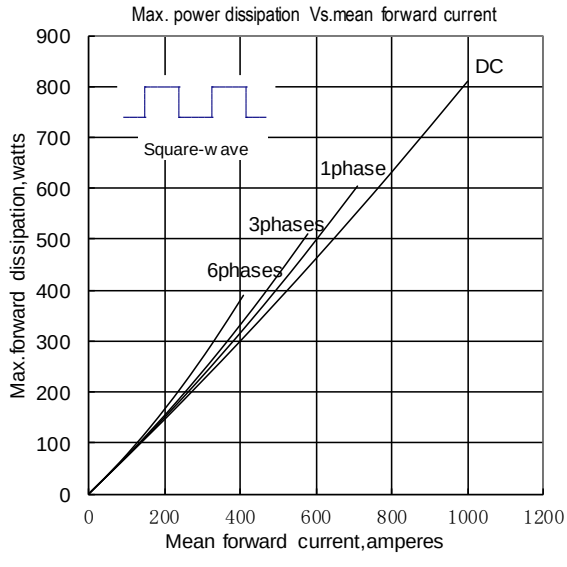



Fig.5

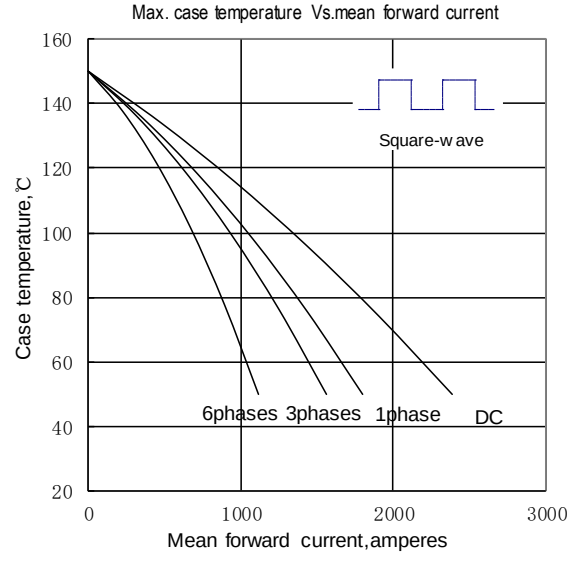



Fig.6

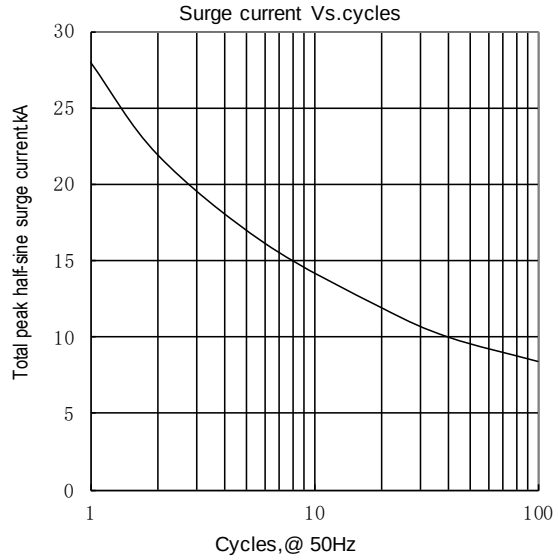
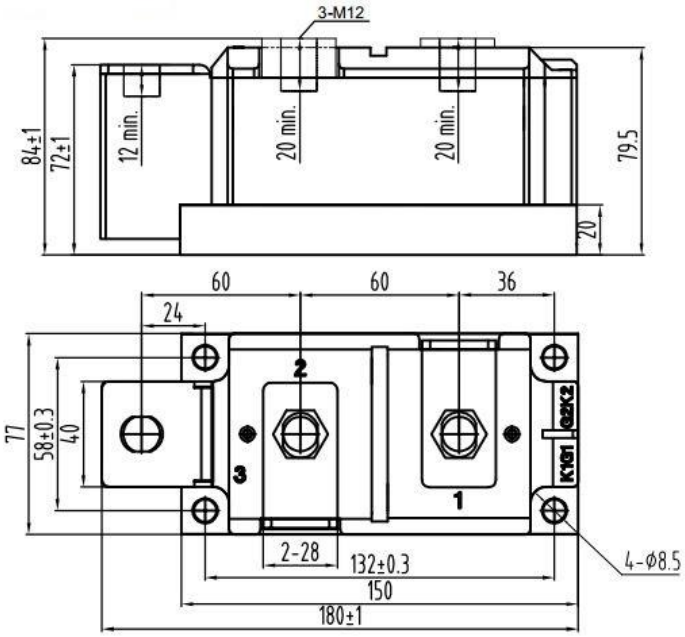
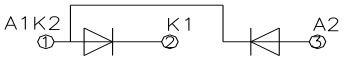


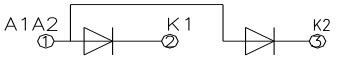

Fig.7



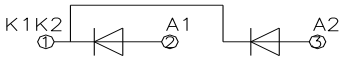

MD1000D**C




MR1000D**C




MC1000D**C




Unmarked dimensional tolerance：±0.5mm