



Features :

- High performance thermal insulation materials
- Good thermal fatigue performance
- International standard package

Typical Applications

- Various rectifiers
- DC supply for PWM inverter

| V _{RSM} | V _{RSM} | Type & Outline |
|------------------|------------------|----------------|
| 900V | 800V | MDx26-08 |
| 1100V | 1000V | MDx26-10 |
| 1300V | 1200V | MDx26-12 |
| 1500V | 1400V | MDx26-14 |
| 1700V | 1600V | MDx26-16 |
| 1900V | 1800V | MDx26-18 |

| SYMBOL | CHARACTERISTIC | TEST CONDITIONS | T _j (°C) | VALUE | | | UNIT |
|----------------------|------------------------------------------|-----------------------------------------------------------------------|---------------------|-------|------|------|----------------------------------|
| | | | | Min | Type | Max | |
| I _{F(AV)} | Mean forward current | 180° half sine wave 50Hz Single side cooled, T _c =100°C | 150 | | | 26 | A |
| I _{F(RMS)} | RMS forward current | | 150 | | | 41 | A |
| I _{RRM} | Repetitive peak current | at V _{RRM} | 150 | | | 8 | mA |
| I _{FSM} | Surge forward current | 10ms half sine wave | 150 | | | 0.65 | KA |
| I ² t | I ² T for fusing coordination | V _R =0.6V _{RRM} | | | | 2.1 | A ² s*10 ³ |
| V _{FO} | Threshold voltage | | 150 | | | 0.80 | V |
| r _F | Forward slop resistance | | | | | 6.80 | mΩ |
| V _{FM} | Peak forward voltage | I _{FM} = 80 A | 25 | | | 1.45 | V |
| R _{th(j-c)} | Thermal resistance Junction to case | At 180° sine Single side cooled per chip | | | | 1.30 | °C /W |
| R _{th(c-h)} | Thermal resistance case to heatsink | At 180° sine Single side cooled per chip | | | | 0.2 | °C /W |
| V _{iso} | Isolation voltage | 50Hz, R.M.S, t=1min, I _{iso} : 1mA(max) | | 2500 | | | V |
| F _m | Terminal connection torque(M5) | | | | 4.0 | | N·m |
| | Mounting torque(M6) | | | | 6.0 | | N·m |
| T _{stg} | Stored temperature | | | -40 | | 125 | °C |
| W _t | Weight | | | | 105 | | g |
| Outline | M01H | | | | | | |

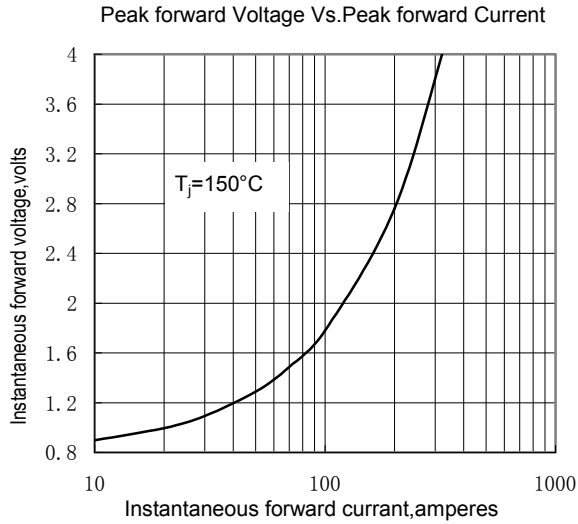


Fig.1

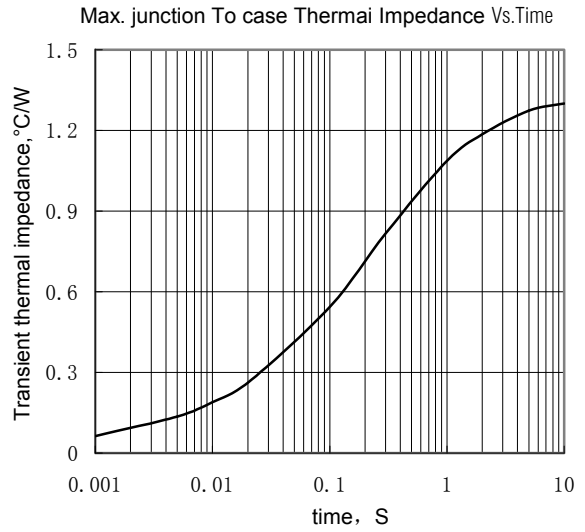


Fig.2

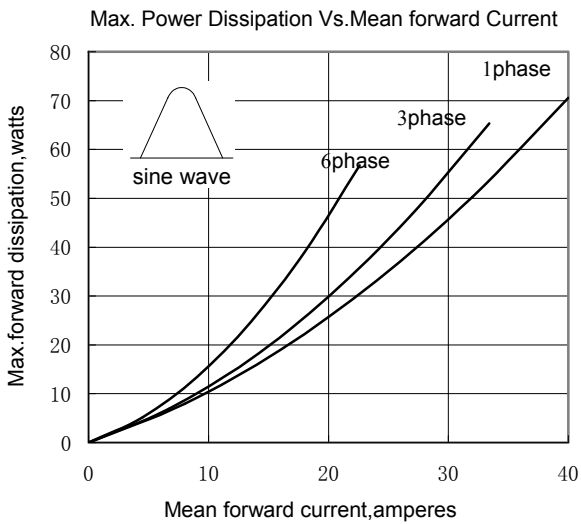


Fig.3

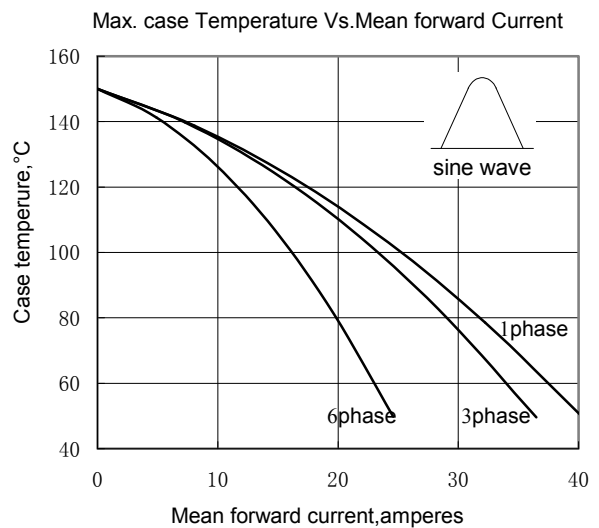


Fig.4

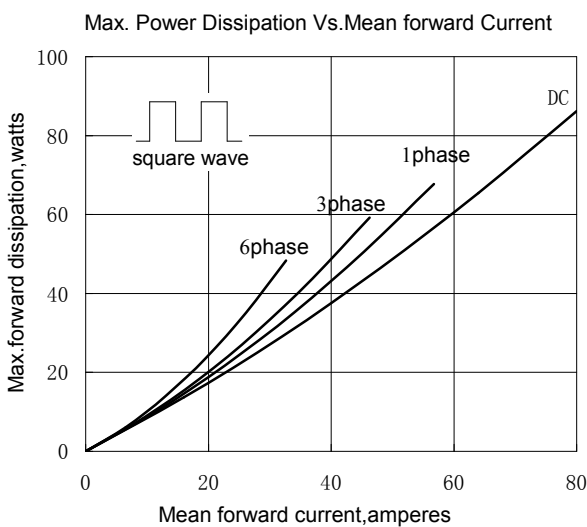


Fig.5

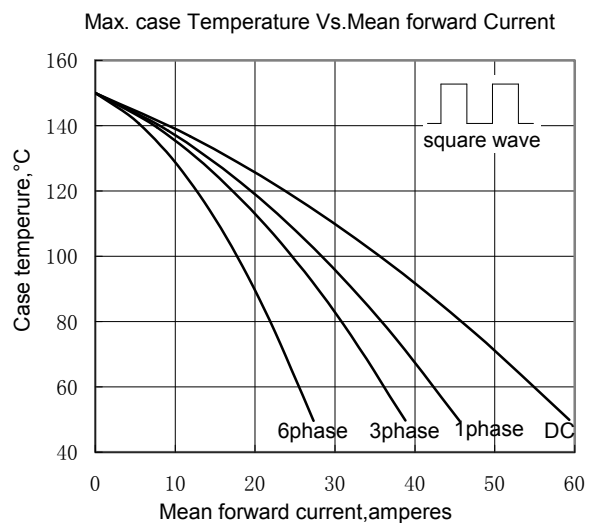


Fig.6

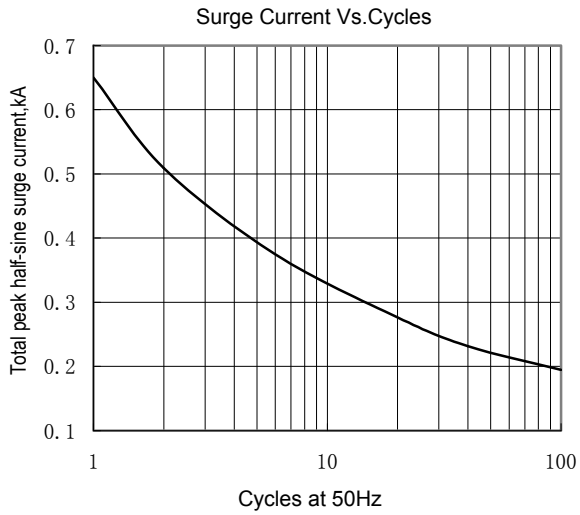


Fig.7

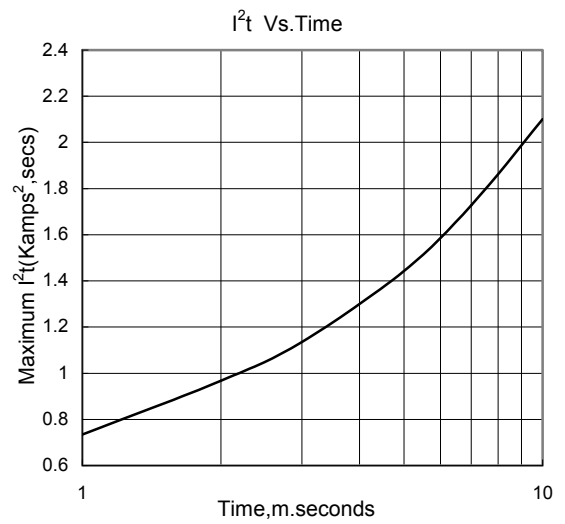
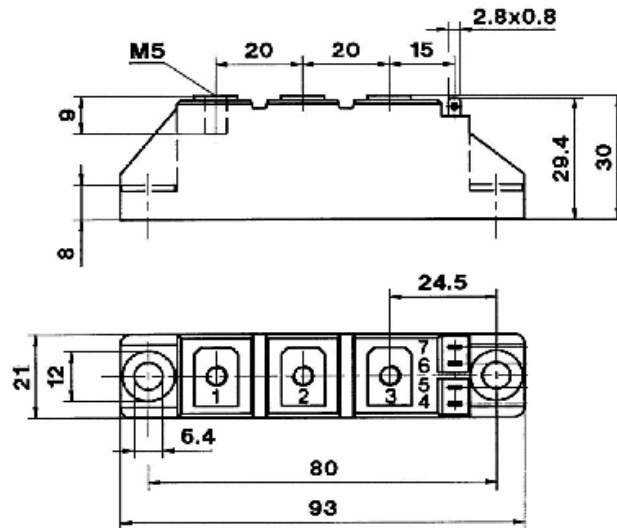


Fig.8

Outline:



M01H

