

Features:

- Isolated mounting base 2500V
- Solder joint technology
- Space and weight savings

Typical Applications

- DC Power supplies for equipments.
- DC supply for PWM inverter
- Inverter Welder

| | |
|-----------|--|
| I_o | 100A |
| V_{RRM} | 600~1800V |
| I_{FSM} | $1.5A \times 10^3$ |
| I^2t | $11.4A^2 S \cdot 10^3$ |



| SYMBOL | CHARACTERISTIC | TEST CONDITIONS | T _j (°C) | VALUE | | | UNIT |
|----------------------|--|---|---------------------|-------|------|------|-------|
| | | | | Min | Type | Max | |
| I _o | DC output current | Single-phase full wave rectifying circuit, T _C =100°C | 150 | | | 100 | A |
| V _{RRM} | Repetitive peak reverse voltage | V _{RRM} tp=10ms V _{RSM} = V _{RRM} +100V | 150 | 600 | | 1800 | V |
| I _{RRM} | Repetitive peak current | at V _{RRM} | 150 | | | 10 | mA |
| I _{FSM} | Surge forward current | 10ms half sine wave | 150 | | | 1.50 | KA |
| I ² t | I ² T for fusing coordination | V _R =0.6V _{RRM} | | | | | 11.4 |
| V _{FO} | Threshold voltage | | 150 | | | 0.80 | V |
| r _F | Forward slop resistance | | | | | | 4.5 |
| V _{FM} | Peak forward voltage | I _{FM} =150A | 25 | | | 1.20 | V |
| R _{th(j-c)} | Thermal resistance Junction to case | Single side cooled | | | | 0.14 | °C /W |
| R _{th(c-h)} | Thermal resistance case to heatsink | Single side cooled | | | | 0.07 | °C /W |
| V _{iso} | Isolation voltage | 50Hz, R.M.S, t=1min, I _{iso} :1mA(max) | | 2500 | | | V |
| F _m | Terminal connection torque(M6) | | | | 6 | | N·m |
| | Mounting torque(M5) | | | | 4 | | N·m |
| T _{stg} | Stored temperature | | | -40 | | 125 | °C |
| W _t | Weight | | | | 420 | | g |
| Outline | 411H5/221H5 | | | | | | |

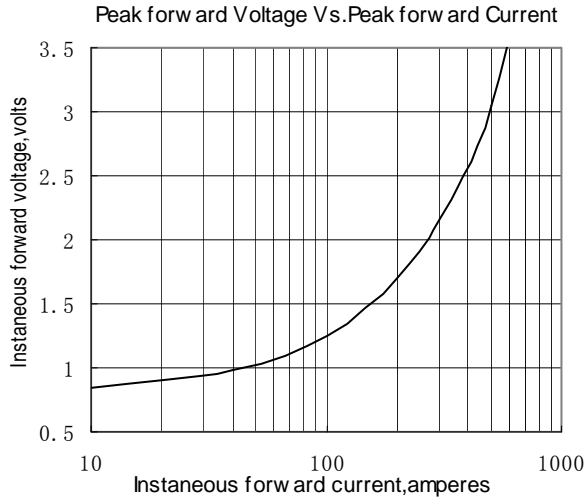


Fig.1

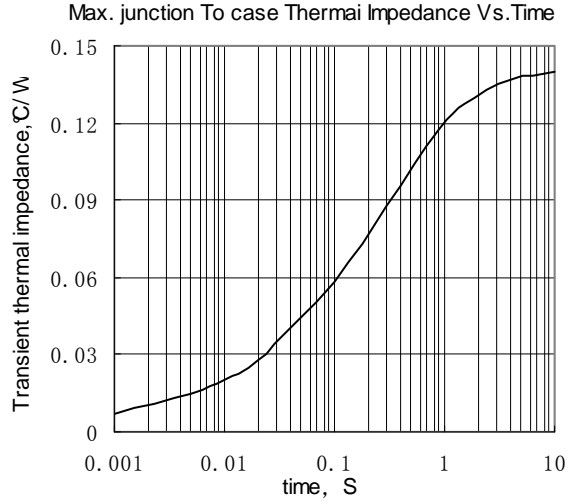


Fig.2

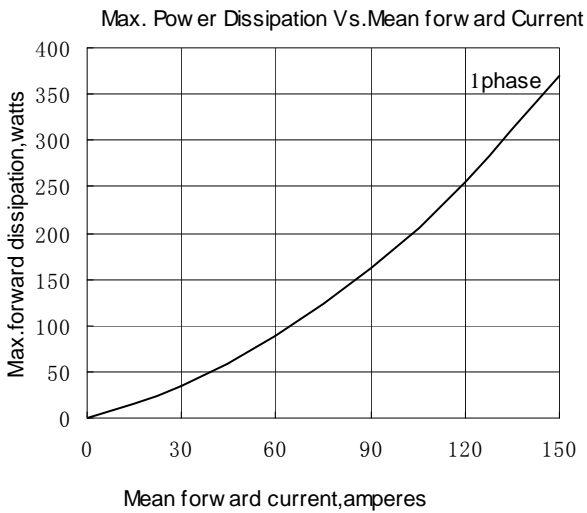


Fig.3

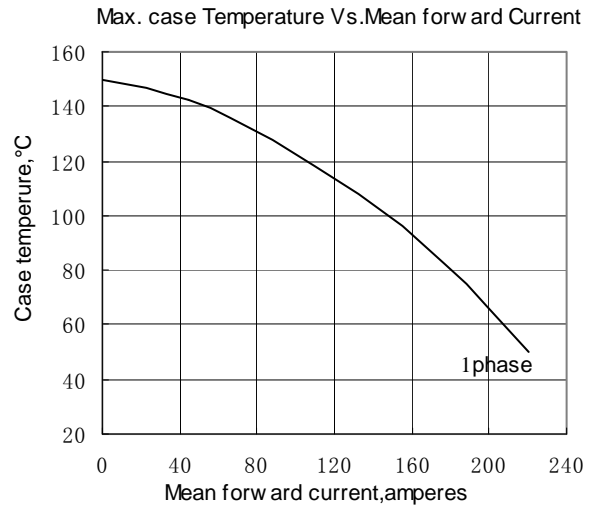


Fig.4

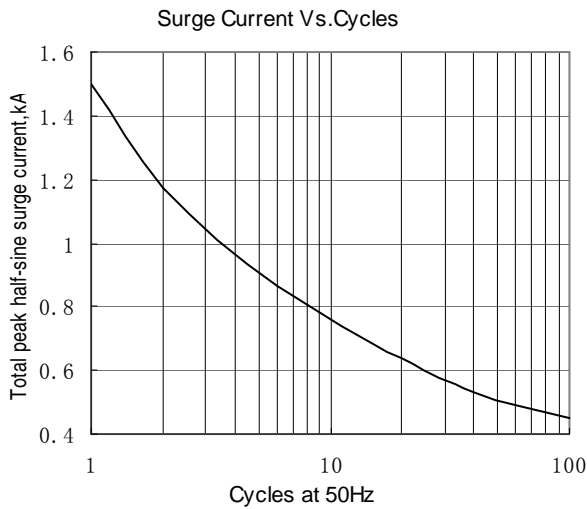


Fig.5

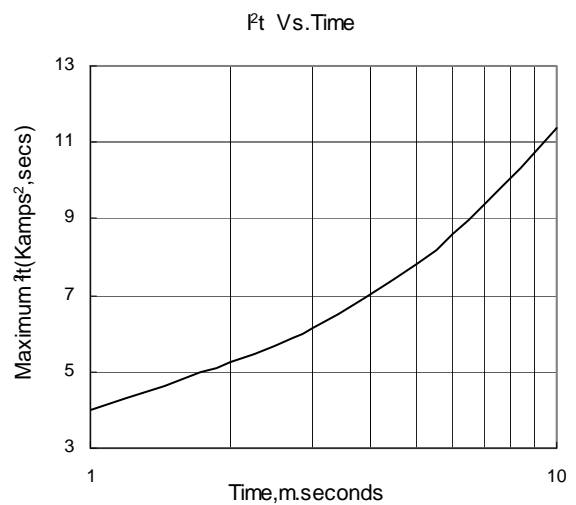


Fig.6

Outline:

