

产品规格书

Specification of products

产品名称: 整流管模块

产品型号: MFK200A/7000V-Y01

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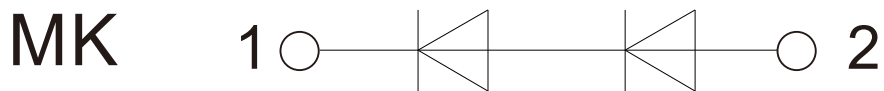
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| 林益龙 | 曹剑龙 | 宗瑞 |

| 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 | | | 200 | A |
| I _{F(RMS)} | RMS forward current | Single side cooled, T _C =100°C | 150 | | | 314 | A |
| V _{RRM} | Repetitive peak reverse voltage | V _{RRM} tp=10ms V _{RSM} = V _{DRM} &V _{RRM} +200V | 150 | | 7000 | | V |
| I _{RRM} | Repetitive peak current | at V _{RRM} | 150 | | | 20 | mA |
| I _{FSM} | Surge forward current | 10ms half sine wave | 150 | | | 2.0 | KA |
| I ² t | I ² T for fusing coordination | V _R =0.6V _{RRM} | | | | | 1020 |
| V _{FO} | Threshold voltage | | 150 | | | 0.85 | V |
| r _F | Forward slop resistance | | | | | | 0.61 |
| V _{FM} | Peak forward voltage | I _{FM} =600A | 25 | | | 2.0 | V |
| T _{rr} | ReverseRecovery Time | | 25 | | | 5 | uS |
| R _{th(j-c)} | Thermal resistance Junction to heatsink | At 180° sine Single side cooled | | | | 0.110 | °C /W |
| V _{iso} | Isolation voltage | 50Hz, RM. S, t=1min, I _{iso} : 1mA (max) | | 7500 | | | V |
| F _m | Terminal connection torque(M5) | | | | | 4.0 | N.m |
| | Mounting torque(M6) | | | | | 5.0 | N.m |
| T _{stg} | Stored temperature | | | -40 | | 150 | °C |
| W _t | Weight | | | | | 400 | g |
| Outline | | | | | | | |

OUTLINE DRAWING & CIRCUIT DIAGRAM



Rating and Characteristic

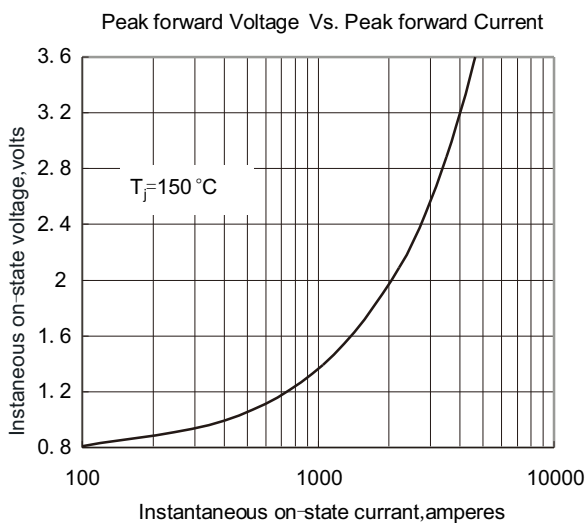


Fig. 1

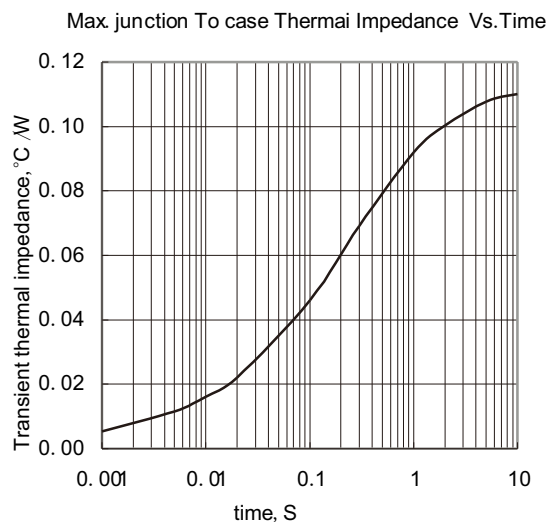


Fig. 2

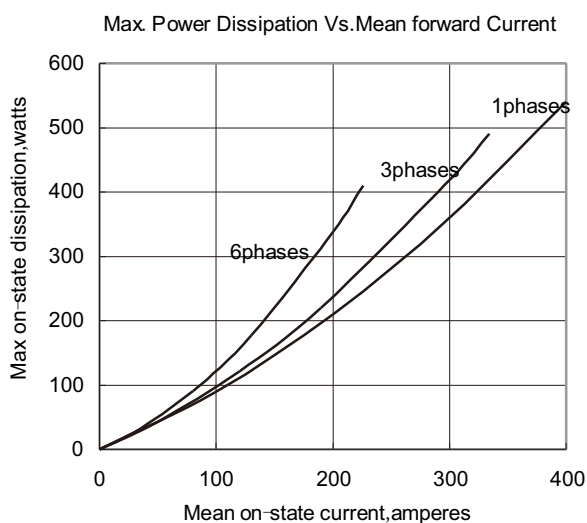


Fig. 3

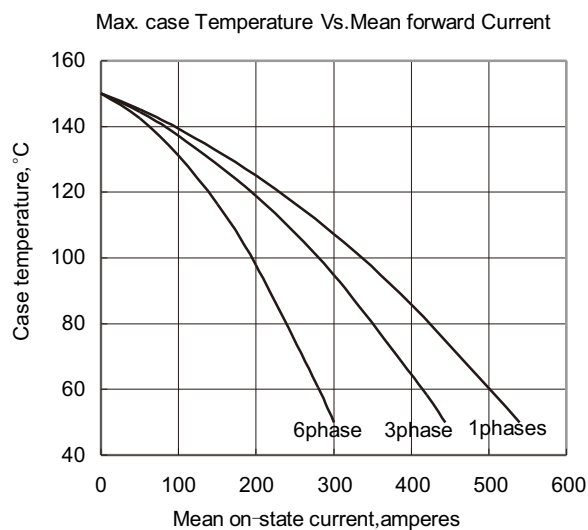


Fig. 4

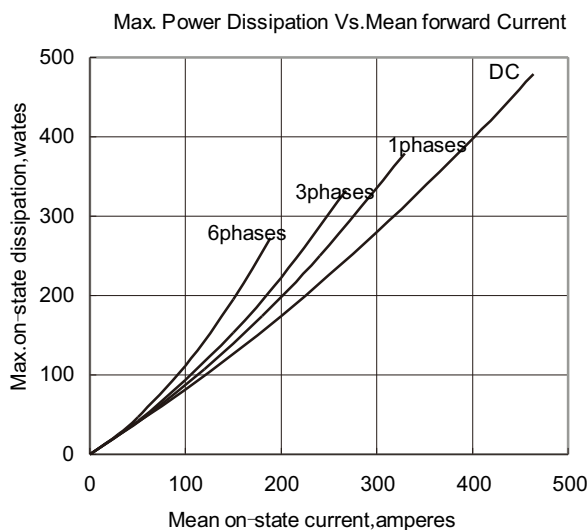


Fig. 5

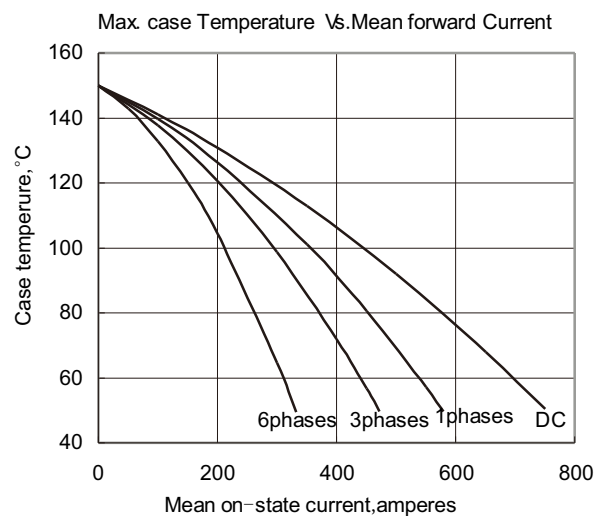


Fig. 6

Outside Dimension

