



浙江世菱电力电子有限公司
ZHEJIANG SHILING POWER ELECTRON CO.,LTD.

产品规格书

Specification of Products

产品名称：整流管模块

产品型号：MDK200A

浙江世菱电力电子有限公司

ZHEJIANG SHILING POWER ELECTRON CO.,LTD.

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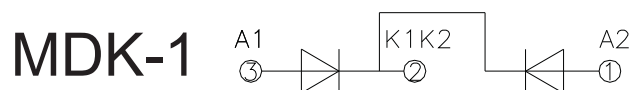
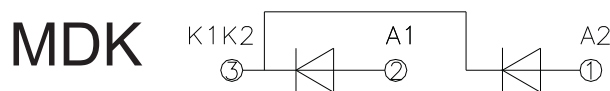
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| 丁国盛 | 曹剑龙 | 宗瑞 |

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| SYMBOL | CHARACTERISTIC | TEST CONDITIONS | T _j (°C) | VALUE | | | UNIT |
|----------------------|--|---|---------------------|-------|------|-------|-------|
| | | | | Min | Type | Max | |
| I _{F(AV)} | Mean forward current | 180° half sinewave 50Hz Single side cooled, $\bar{T}=100^{\circ}\text{C}$ | 150 | | | 200 | A |
| I _{F(RMS)} | RMS forward current | Single side cooled, $\bar{T}=100^{\circ}\text{C}$ | 150 | | | 314 | A |
| V _{RRM} | Repetitive peak reverse voltage | V _{RRM} tp=10ms V _{RSM} = V _{DRM} &V _{RRM} +200V | 150 | 600 | | 1800 | V |
| I _{RRM} | Repetitive peak current | at V _{RRM} | 150 | | | 12 | mA |
| I _{FSM} | Surge forward current | 10ms half sinewave | 150 | | | 6.00 | KA |
| I ² t | I ² T for fusing coordination | V _R =0.6V _{RRM} | | | | | 184 |
| V _{FO} | Threshold voltage | | 150 | | | 0.80 | V |
| r _F | Forward slop resistance | | | | | | 1.35 |
| V _{FM} | Peak forward voltage | I _M =600A | 25 | | | 1.1 | V |
| R _{th(j-c)} | Thermal resistance Junction to heatsink | At 180° sine Single side cooled | | | | 0.230 | °C /W |
| V _{iso} | Isolation voltage | 50Hz, RM. S, t=1min, i _{iso} : 1mA (max) | | 2500 | | | V |
| F _m | Terminal connection torque(M6) | | | | | 3.0 | N.m |
| | Mounting torque(M6) | | | | | 3.0 | N.m |
| T _{stg} | Stored temperature | | | -40 | | 125 | °C |
| W _t | Weight | | | | | 220 | g |
| Outline | | | | | | | |

OUTLINE DRAWING & CIRCUIT DIAGRAM



Rating and Characteristic

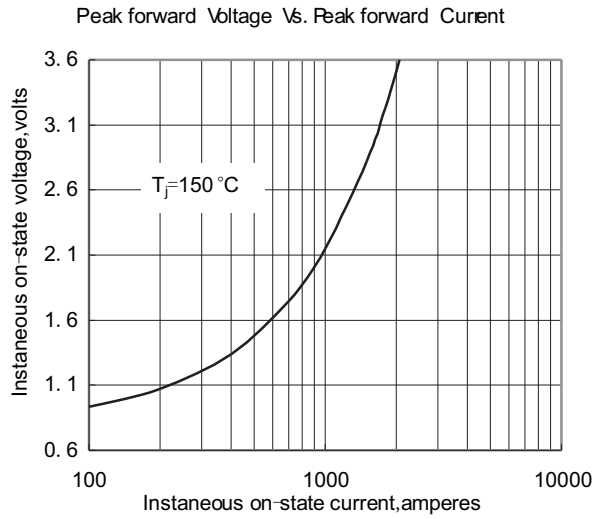


Fig. 1

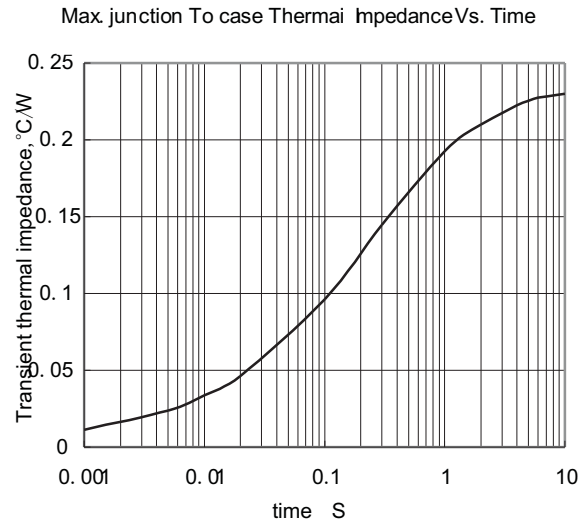


Fig. 2

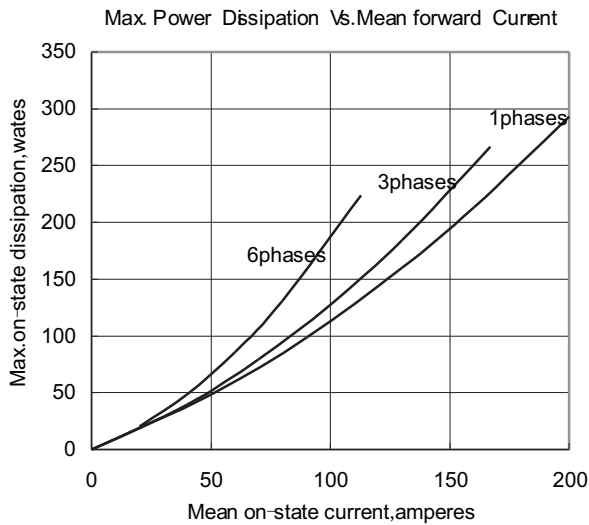


Fig. 3

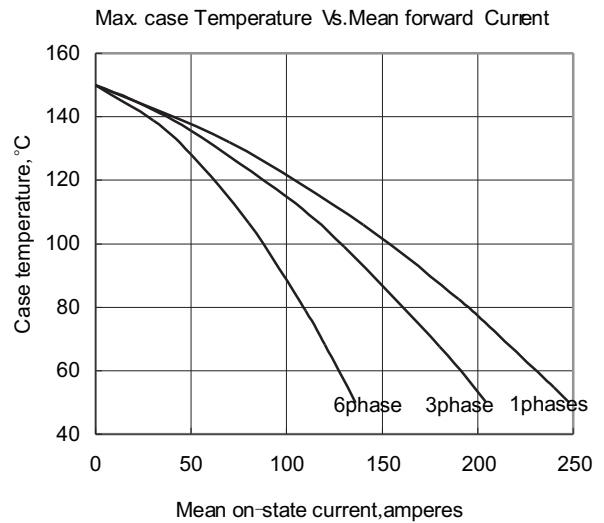


Fig. 4

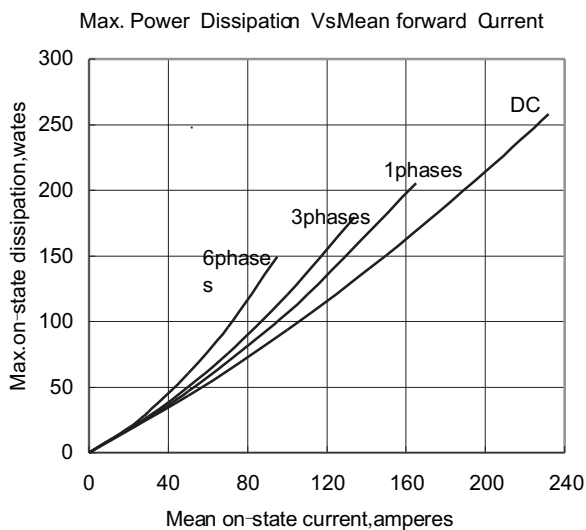


Fig. 5

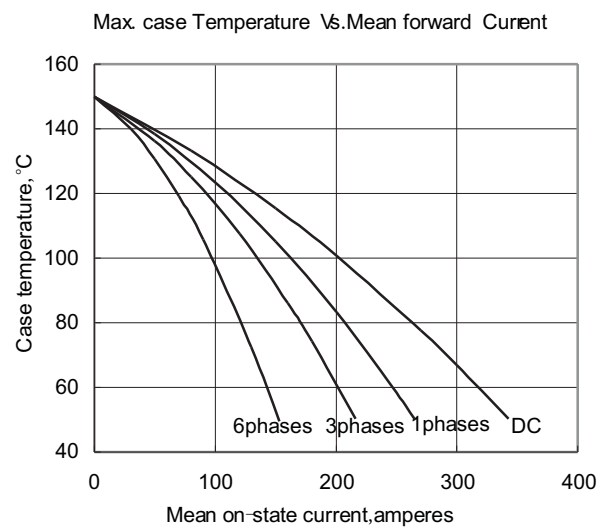


Fig. 6

Outside Dimension

