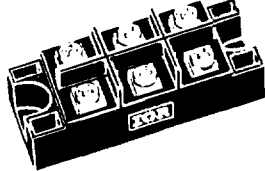


| Part Number | | | V _{RRM} V _{DRM} (V) | I _O (DC) @ T _C | | I _{TSM} (8) | | V _{TM} (1) (V) | R _{thJC} DC (2) (K/W) | CASE Outline Number (9) | Notes | Case Style |
|-------------|-----------|-----------|---|--------------------------------------|------|----------------------|--------------|-------------------------------|--------------------------------------|----------------------------------|-------|---|
| | | | | (A) | (°C) | 50 Hz (A) | 60 Hz (A) | | | | | |
| 51MT80K | 52MT80K | 53MT80K | 800 | 55 | 85 | 330 | 345 | 2.68 | 0.179 | B4 | (3) |  |
| 51MT100K | 52MT100K | 53MT100K | 1000 | | | | | | | | | |
| 51MT120K | 52MT120K | 53MT120K | 1200 | | | | | | | | | |
| 51MT140K | 52MT140K | 53MT140K | 1000 | | | | | | | | | |
| 51MT160K | 52MT160K | 53MT160K | 1600 | | | | | | | | | |
| 91MT80K | 92MT80K | 93MT80K | 800 | 90 | 85 | 800 | 840 | 1.65 | 0.144 | | | |
| 91MT100K | 92MT100K | 93MT100K | 1000 | | | | | | | | | |
| 91MT120K | 92MT120K | 93MT120K | 1200 | | | | | | | | | |
| 91MT140K | 92MT140K | 93MT140K | 1400 | | | | | | | | | |
| 91MT160K | 92MT160K | 93MT160K | 1600 | | | | | | | | | |
| 111MT80K | 112MT80K | 113MT80K | 800 | 110 | 85 | 950 | 1000 | 1.57 | 0.117 | | | |
| 111MT100K | 112MT100K | 113MT100K | 1000 | | | | | | | | | |
| 111MT120K | 112MT120K | 113MT120K | 1200 | | | | | | | | | |
| 111MT140K | 112MT140K | 113MT140K | 1400 | | | | | | | | | |
| 111MT160K | 112MT160K | 113MT160K | 1600 | | | | | | | | | |

(1) I Peak = 150A, T_j = 25°C.

(2) Value given for R_{thJC} is per module DC operation.

(3) RMS Isolation voltage: 4000V-50 Hz.

(4) Three phase negative controlled bridge.

(5) Three phase positive controlled bridge.

(6) Three phase fully controlled bridge.

(8) 100% V_{RRM} reapplied. T_j = T_j max. = 125°C

(9) For case outline drawing see page 0-2.

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