# Phase Control SCR

| Part Number | $V_{RRM}$/ $V_{DRM}$ (V) | $I_{T(AV)}$ (A) | @$T_C$ (°C) | $I_{TSM}$ (a) (A) | $I_{TSM}$ (b) (A) | $V_{TM}$ (V) | $R_{\Theta JC(DC)}$ (K/W) | Notes | Fax on Demand Number | Case Outline Key |
|---|---|---|---|---|---|---|---|---|---|---|
| **Thyristor / Thyristor Module** | | | | | | | | | | |
| | | | | | | | | | | **MAGN-A-Pak** |
| IRKT170-04 | 400 | 170 | 85 | 4300 | 4500 | | .085 | 2 18 20 22 | 87102 | M6 |
| IRKT170-08 | 800 | 170 | 85 | 4300 | 4500 | | .085 | 2 18 20 22 | 87102 | |
| IRKT170-12 | 1200 | 170 | 85 | 4300 | 4500 | | .085 | 2 18 20 22 | 87102 | |
| IRKT170-14 | 1400 | 170 | 85 | 4300 | 4500 | | .085 | 2 18 20 22 | 87102 | |
| IRKT170-16 | 1600 | 170 | 85 | 4300 | 4500 | | .085 | 2 18 20 22 | 87102 | |
| IRKT230-08 | 800 | 230 | 85 | 6300 | 6600 | | .063 | 2 18 20 22 | 87102 | M6 |
| IRKT230-12 | 1200 | 230 | 85 | 6300 | 6600 | | .063 | 2 18 20 22 | 87102 | |
| IRKT230-16 | 1600 | 230 | 85 | 6300 | 6600 | | .063 | 2 18 20 22 | 87102 | |
| IRKT230-18 | 1800 | 230 | 85 | 6300 | 6600 | | .063 | 2 18 20 22 | 87102 | |
| IRKT230-20 | 2000 | 230 | 85 | 6300 | 6600 | | .063 | 2 18 20 22 | 87102 | |
| IRKT250-04 | 400 | 250 | 85 | 7150 | 7500 | | .063 | 2 18 20 22 | 87102 | M6 |
| IRKT250-08 | 800 | 250 | 85 | 7150 | 7500 | | .063 | 2 18 20 22 | 87102 | |
| IRKT250-12 | 1200 | 250 | 85 | 7150 | 7500 | | .063 | 2 18 20 22 | 87102 | |
| IRKT250-14 | 1400 | 250 | 85 | 7150 | 7500 | | .063 | 2 18 20 22 | 87102 | |
| IRKT250-16 | 1600 | 250 | 85 | 7150 | 7500 | | 063 | 2 18 20 22 | 87102 | |

NOTES:

2 For Itsm: 100% VRRM reapplied, $T_j$=$T_j$ max.=125°C

4 Vtm @ pi X It(AV), $T_j$=125°C

17 Available without auxiliary cathode. Refer to case outline for details.

18 Available in center tap (circuit common anode or circuit common cathode) configurations. Refer to case outline for details.

20 RMS isolation voltage = 3000V - 50Hz

22 Value given for RthJC is per module.

25 RMS isolation voltage = 3500 - 50Hz

ADD-A-Pak

T-Module

INT-A-Pak

MAGN-A-Pak

Super MAGN-A-Pak