



WELDING DIODES SELECTOR GUIDE

| TYPE | IF (AV) at Ts | | | IFSM (2) 1 pulse 50Hz (kA) | I2t (2) for fusing 50Hz (kA2s) | Junction temperature range (°C) | VRRM max Tj = Tj max (V) | IRRM typical Tj = Tj max (mA) | Vo Tj = Tj max (V) | rt (mΩ) | storage temp. (°C) | RthJC (3) (°C/W) | Typical reverse recovery time @ Tj=25°C | | | PACKAGE INFORMATION | | |
|---------------|---------------|------|-----------------|-------------------------------------|---|--|-----------------------------------|--|--------------------------|------------|--------------------------|------------------------|---|-------------------|-------------|--------------------------------|----------------|--|
| | (A) | (°C) | current code | | | | | | | | | | IFM (A) | -dir/dt (A/μs) | trr (μs) | Mounting force or torque | Style | anode contact/ cathod contact / height (mm) |
| R9XSMD | 7450 | 40 | 75 | 42 Vr=0 | 8820 Vr=0 | -40 to 175 | 400 | 75 | 0,72 | 0,0308 | -50 to 200 | 0,009 | 400 | 25 | 25 | 22,2-26,7kN | Caseless diode | 56/49,2/5 |
| RAXMGC | 12000 | 79 | 12 | 57,3 Vr=0 | 16416 Vr=0 | -40 to 175 | 400 | 100 | 0,977 | ### | -50 to 200 | 0,005 | 400 | 25 | 25 | 40-48,9 kN | Caseless diode | 65/58/5 |

ORDERING INFORMATION

Select the complete part number you desire from the following table

| Type | Voltage (V) VRRM Code | | Current (A) IF(AV) code | Recovery time trr (μs) |
|--------|--------------------------|----|---|---------------------------|
| RAXMCG | 200 | 02 | select the current code in IF(AV) column | XX |
| | 400 | 04 | | Not specified |

Examples :

RAXSMD 04 80 XX

RAXSMD : part
 04 : VRRM = 400 V
 80 : IF(AV) = 8000 A
 XX : trr not specified
 00 : no lead

Notes

(2) = 100% reappplied voltage unless otherwise specified
 (3) = DC Value

+ Old version diode
 ° preliminary data sheet

All values shown in this document are subject to change for product improvement. The information, diagrams and all other data included herein are believed to be correct and reliable.