

Technical Data

DIODE



maximum ratings

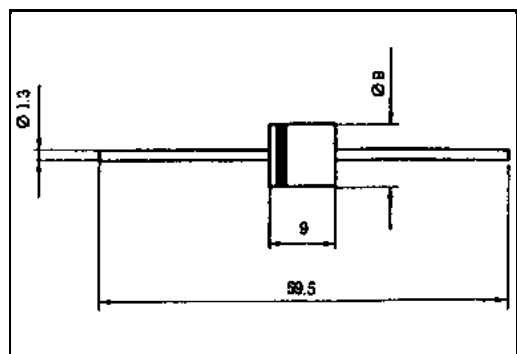
Voltage, Reverse (VR)	800.0	V	NO.	R250S
Voltage, Reverse Peak (VRM)	1000.0	V	TYPE	SI - RECTIFIER
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)	6.0	A		
Current Surge Peak (IFM)		A	CASE	P-6
Current, Surge (IFM) at tp = 8.3 ms	400.0	A		
Max. Power Dissipation (PT) at TC = °C		W		
Max. Thermal Resistance (Rth J-A)	10.0	°C/W		
Max. Junction Temperature (TJ)	175.0	°C		

PERFORMANCE CHARACTERISTICS at T_c = 25°C, unless otherwise noted

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	IR	VR = 800.0 V	-	10.0	μA
2.	IR	VR = 800.0 V, TA = 100.0° C	-	1.0	mA
3.	VF	IF = 6.0 A	-	1.1	V
4.	VF	IF = 100.0 A (1)	-	1.3	V
5.	I ² t	tp = 8.3 ms	-	650.0	A ² s
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Notes (1) pulse-tested tp ≤ 300 μs, duty cycle ≤ 2 %

DIMENSIONS in mm



Marking R250S
 Customer GENERAL PURPOSE