

RATING	SYMBOL	VALUE	UNIT
Peak Repetitive Reverse and DC Blocking Voltage 5R6S 7R6S 10R6S 12R6S	VRM(rep) VR	50 70 100 125	Volts
15R6S Half Wave Rectified Forward Current, Averaged Over Full Cycle (Resistive Load 60Hz, Sine Wave, TC=55°C)	Ιο	150 50	Amps
Peak Repetitive Forward Current (TC=55°C, 8.3 ms Pulse, Allow Junction to Reach Equilibrium Between Pulses)	IFM(rep)	150	Amps
Peak Surge Current (TC=55°C, Superimposed on Rated Current at Rated Voltage, 8.3 ms Pulse)	IFM(surge)	450	Amps
Operating and storage temperature	Top & Tstg	-65 to +175	°C
Maximum Thermal Resistance Junction to Case	Rejc	1.0	°C/W

NOTE: All specifications are subject to change without notification. SCD's for these devices should be reviewed by SSDI prior to release	DATA SHEET#: RU0165 C	MED
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PRELIMINARY

5R6S thru 15R6S

SOLID STATE DEVIC

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ELECTRICAL CHARACTERISTICS			
CHARACTERISTICS	SYMBOL	MAXIMUM	UNIT
Maximum Instantaneous Forward Voltage Drop (IF = 50 Adc, TC=25°C, 300-500μs Pulse)	VF	0.95	Vdc
Maximum Instantaneous Forward Voltage Drop (IF = 50 Adc, TC= - 55°C, 300-500μs Pulse)	VF	1.05	Vdc
Maximum Reverse Leakage Current (Rated VR, TC=25°C)	İR	250*	μΑ
Maximum Reverse Leakage Current (Rated VR, TC=100°C)	İR	20*	mA
Maximum Junction Capacitance (VR = 10 Vdc, TA=25°C)	CJ	400	pf
Reverse Recovery Time (IF=500mA, IR=1 A, IRR=250mA)	trr	50	nsec
* Lower Leakage Devices Available from Factory	<u> </u>		

CASE OUTLINE: DO-5



