New Jersey Semi-Conductor Products, Inc.

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MUR2505 MUR2510 MUR2515 MUR2520



Rating	Symbol	MUR				
		2505	2510	2515	2520	Ųnit
Peak Repetitive Réverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	150	200	Volts
Nonrepetitive Peak Reverse Voltage	VRSM	55	110	165	220	Volts
Average Forward Current TC = 145°C	^I F(AV)	25				Amps
Nonrepetitive Peak Surge Forward Current (half cycle 60 Hz, Sinusoidal Waveform)	FSM	500				Amps
Operating Junction and Storage Temperature	Tj, T _{stg}	-65 io +175				°C

THERMAL CHARACTERISTICS

Rating	Symbol	All Devices	Unit
Thermal Resistance Junction to Case	Røjc	13	°C∕W

ELECTRICAL CHARACTERISTICS

Maximum Instantaneous Forward Voltage Drop (iF = 25 Amp, TJ = 25°C) (iF = 25 Amp, TJ = 125°C) (iF = 50 Amp, TJ = 125°C)	۷F	0 95 0 80 0 88	Volts
Maximum Reverse Current @ DC Voltage (Tj = 25°C) (Tj = 125°C)	IR	10 1 0	μA mA
Maximum Reverse Recovery Time (Ip = 1.0 Amp_di/dt = 50 Amp/µs_VR = 30 V, TJ = 25°C)	trr	50	ns

MECHANICAL CHARACTERISTICS CASE: Welded, hermetically sealed FINISH: All external surface corrosion resistant and terminal leads are readily solderable POLARITY: Cathode to Case MOUNTING POSITIONS: Any MOUNTING TORQUE: 15 in-Ib max



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Quality Semi-Conductors