New Jersey Semi-Conductor Products, Inc.

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MDA920 thru MDA920											-	• •
MINIATURE passivated, diffu molded into voidless H • Large Inrush Surge • Efficient Thermal A in Minimum Spa	INTEGF used-silico hybrid rect Capability Managemer	RAL n dia ifier (DI circu	OE nte uit	DE / ercor asse	ASS mec mbl	ted ies. Cycle	BLI and	ES tran			SINGLE-PHASE FULL-WAVE BRIDGE 1.5 AMPERES 25-1000 VOLTS
·	Data for ' Sheet permi ed. Limit c	ts the urves te "wi	desi re orst	gn (epre case	of me esenti e'' de	AS,	A6	ls ent Jaries	A8	evice A9	Unit	
DC Blocking Voltage DC Output Voltage Resistive Load Capacitative Load Sine Wave RMS Input Voltage	VR Vdc Vdc VR(RMS)		01	00		300	400	600	500 800 560		Volts Volts Volts	s
Average Rectified Forward Current (single phase bridge resistive load, 60 Hz, see Figure 6, TA = 50°C Non-Repetitive Peak Surge	1 ₀ Amp											
Current, (see Figure 2) rated load, TJ = 175 ^o C Operating and Storage Junction	^I FSM T _J , T _{stg}			45 for 1 cycle Amp							 	
Temperature Range ELECTRICAL CHARACTE	<u> </u>	L										NOTES: 1. LEAD DIM "D" TO BE MEASURED WITHIN "F"
Characteristic Maximum Instanteneous Forward Voltage Drop (Per Leg) (iF = 2.4 Amp, TJ = 25 ⁰ C) Figure 1 Maximum Reverse Current (Rated dc Voltage				Symbol YF			Max 1.2		V	nit olts	2. LEADSFORMED TO FIT INTO HOLE 0.54 mm (0.037) MIN.	
across ac terminals, Tj = 25	PC)	k a			۱ _۴	ł		20		μ	A	
THERMAL CHARACTERIS Characterist				Т	Sym	bel		Ma	×	11	nit	DIM MIN MAX MIN MAX
Effective Bridge Thermal Resist Junction to Ambient (Full-W Typical Printed Circuit Boar	ance, Jave Bridge		tion	,		JA		50				A 6.10 6.73 0.240 0.285 B 2.29 2.79 0.050 0.110 D 0.51 0.344 0.020 0.037 F 3.66 6.33 0.140 0.250 G 3.34 0.145 0.155 M 1.327 2.464 0.050
MECHANICAL CHARAC CASE: Trensfer-molded plest POLARITY: Terminal-design on case +DC outp -DC outp ~AC inpu	ic encapsula ation embo: ut ut	tion,		WE	IGH RMI	T: 1 Nal	.0 gr S: R	am (: leadi		x) derabl	e istant.	



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