

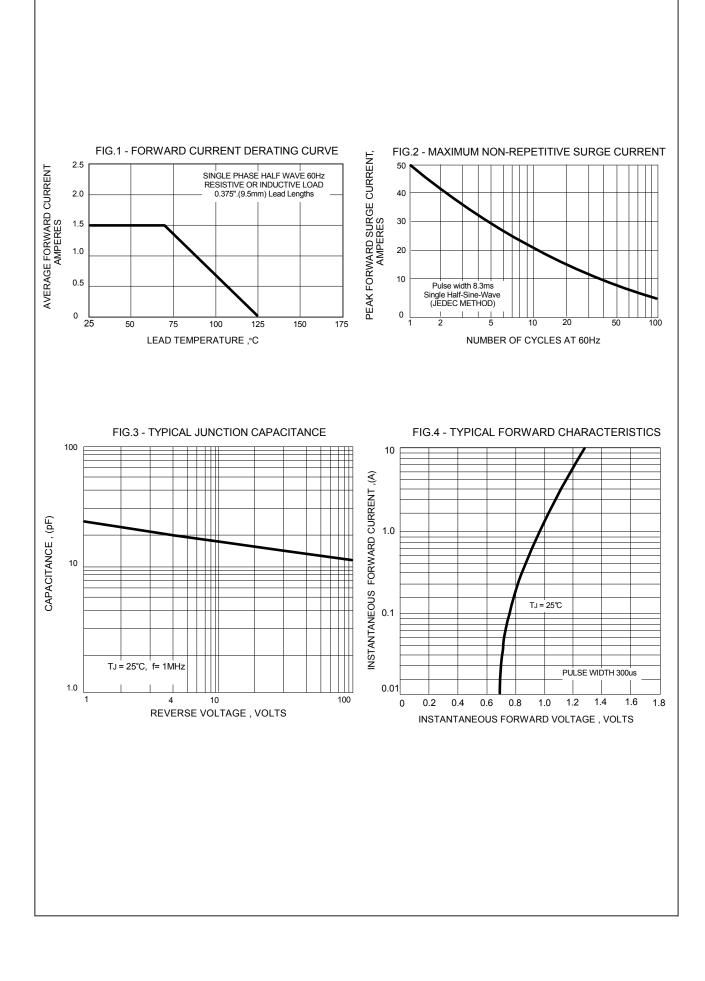
REVERSE VOLTAGE - 50 to 1000 Volts PLASTIC SILICON RECTIFIERS FORWARD CURRENT - 1.5 Amperes DO-41 **FEATURES** • Low cost Α • Diffused junction • Low forward voltage drop • Low reverse leakage current • High current capability • The plastic material carries UL recognition 94V-0 **MECHANICAL DATA** DO-41 • Case : JEDEC DO-41 molded plastic Min. Max. Dim. • Polarity : Color band denotes cathode 25.4 Α • Weight : 0.012 ounces, 0.34 grams 4.10 5.20 В 0.71 Ø • Mounting position : Any 0.86 Ø С 2.00 Ø 2.70 Ø П All Dimensions in millimeter MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS Ratings at 25°C ambient temperature unless otherwise specified. 1N 1N 1N 1N 1N 1N 1N 1N 1N SYMBOL 5391S 5392S 5393S 5394S 5395S 5396S 5397S CHARACTERISTICS UNIT 5398S 5399S Maximum Recurrent Peak Reverse Voltage 50 100 200 300 400 500 600 800 1000 V VRRM

Maximum RMS Voltage	VRMS	35	70	140	210	280	350	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	300	400	500	600	800	1000	V
Maximum Average Forward Rectified Current .375",(9.5mm) Lead Lengths @TL=7(°C I(AV)	1.5								А	
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC Method)	IFSM	50									A
Maximum forward Voltage at 1.5A DC	VF	1.1								V	
Maximum DC Reverse Current @TJ=25 at Rated DC Blocking Voltage @TJ=100	I IR	5 50								uA	
Typical Junction Capacitance (Note 1)	CJ	CJ 20								pF	
Typical Thermal Resistance (Note 2)	Rejl					26					°C/W
Operating Temperature Range	TJ	-55 to +125						°C			
Storage Temperature Range	Тѕтс				-{	55 to +1	50				°C
NOTES: 1 Measured at 1 0MHz and applied reverse voltage of 4 0V DC										000	

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC. 2.Thermal Resistance Junction to Lead.

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RATING AND CHARACTERISTIC CURVES 1N5391S thru 1N5399S





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