SENSITRON SEMICONDUCTOR

TECHNICAL DATA
DATA SHEET 5093, REV. -

HERMETIC AXIAL LEAD RECTIFIER

DESCRIPTION: A 200/400/600/800/1000 VOLT, 1 AMP, 5000 NANOSECOND RECTIFIER.

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^oC$ unless otherwise specified.

RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage SS3611 SS3612 SS3613 SS3614 SS3957	-	-	-	 200 400 600 800 1000	Vdc
Average DC Output Current (I_o)	$T_C = 100^oC$ $T_C = 150^oC$	-	-	1.0 0.30	Amps
Peak Single Cycle Surge Current (I_{fsm})	t_p = 8.3 ms Single Half Cycle Sine Wave, Superimposed On Rated Load	-	-	30	Amps(pk)
Operating and Storage Temp. (T_{op} & T_{stg})	-	-65	-	+175	°C
Maximum Forward Voltage (V_f)	I_f = 1.0A (300 μsec pulse, duty cycle < 2%)	-	-	1.1	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T_A = 25 °C T_A = 150 °C	-	-	1.0 300	μAmps
Reverse Recovery Time (t_{rr})	I_f = 0.5A, I_r = 1.0A, I_{rr} = 0.25A	-	-	5000	nsec
Thermal Resistance ($R_{\theta JL}$)	-	-	-	38	°C/W

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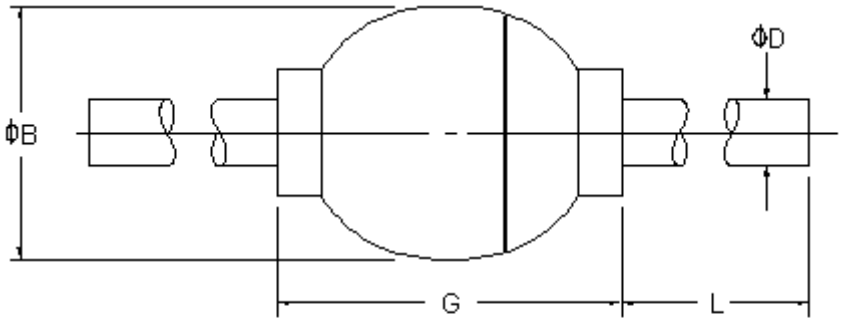
MECHANICAL DIMENSIONS: In Inches / mm



PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	ϕB	ϕD	G	L
101	.060/.110 1.52/2.79	.025/.034 .64/.86	.140/.205 3.56/5.21	.60/1.50 15.2/38.1

PKG. 101

Note: The cathode side is marked with a dark colored band on the diode body.

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