

JAN JANTX JANTXV 1N5614 1N5616 1N5618 1N5620 1N5622

TECHNICAL DATA DATA SHEET 874, REV. -

HERMETIC AXIAL LEAD / MELF GENERAL PURPOSE RECTIFIER

DESCRIPTION: A 200/400/600/800/1000 VOLT, 1.0 AMP, AXIAL LEAD/SURFACE MOUNT 2000 NS GLASS RECTIFIER.

MAXIMUM RATINGS

All ratings are at $T_A = 25^{\circ}$ C unless otherwise specified.

MAXIMUM RATINGS	All ratings are at $I_A = 25^{\circ}$ C unless otherwise specified.				
RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Peak Inverse Voltage (PIV) 1N5614 1N5616 1N5618 1N5620 1N5622		-	-	200 400 600 800 1000	Vdc
Average DC Output Current (I_o) $T_C = 55$ °C $T_C = 100$ °C		-	-	1.0 0.75	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)
Thermal Resistance (_{0JL})	Junction to Lead d = 0.375"	-	-	38	°C/W
Thermal Resistance (θ_{JEC})	Junction to Endcap	-	-	7.0	°C/W
Operating and Storage Temp. (T _{op} & T _{stg})	-	-65	-	+175	°C

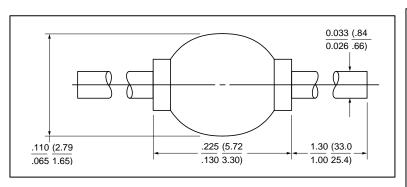
ELECTRICAL CHARACTERISTICS

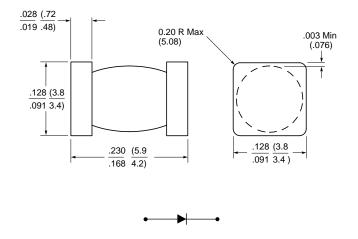
CHARACTERISTIC	CONDITIONS	MIN	TYP	MAX	UNIT
Maximum Forward Voltage (V _f)	I _F = 3.0A (300 μsec pulse, duty cycle < 2%)	-	-	1.3	Volts
Maximum Instantaneous Reverse Current At Rated (PIV)	T _A = 25° C T _A = 100° C	-	-	0.5 25	μAmps μAmps
Maximum Reverse Recovery Time	$I_F = 0.5A, I_R = 1.0A$ $I_{RR} = 0.25A$	-	-	2000	ns

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[•] World Wide Web - www.sensitron.com • E-mail Address - sales@sensitron.com •

MECHANICAL DIMENSIONS: in inches / mm

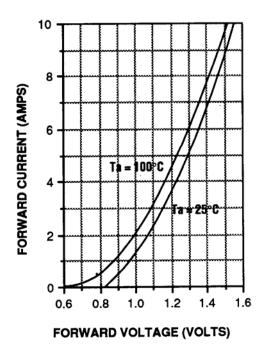




PKG. 102

MELF-1

TYPICAL FORWARD VOLTAGE VERSUS FORWARD CURRENT (PULSED)



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TECHNICAL DATA

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