

SENSITRON
SEMICONDUCTOR**1N6628**
1N6628U**TECHNICAL DATA**
DATA SHEET 167, REV. A**HERMETIC ULTRAFAST RECTIFIER**
AXIAL LEAD / SURFACE MOUNT (MELF)**DESCRIPTION:** A 600 VOLT, 2 AMP, 30 NANOSECOND RECTIFIER, IN A HERMETIC PACKAGE.**MAX RATINGS**ALL RATINGS ARE AT $T_A = 25^\circ\text{C}$ UNLESS OTHERWISE SPECIFIED

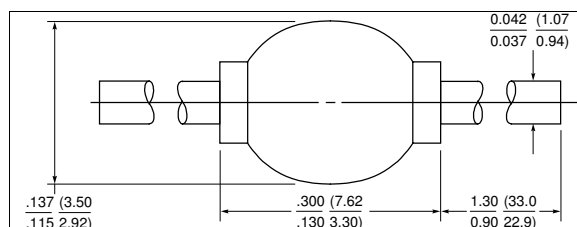
RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	600	Volts
MAXIMUM AVERAGE DC OUTPUT CURRENT	$(T_A = 55^\circ\text{C})$ $(T_A = 100^\circ\text{C})$	I_O	2.0 6.0	Amps
PEAK SINGLE CYCLE SURGE CURRENT	$(t_p = 8.3 \text{ ms})$	I_{FSM}	75	Amps
MAXIMUM THERMAL RESISTANCE, JUNCTION TO LEAD		$R_{\theta JL}$	22	
MAXIMUM THERMAL RESISTANCE, JUNCTION TO END CAP		$R_{\theta JEC}$	8.0	$^\circ\text{C/W}$
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		-	-65 to +175	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS

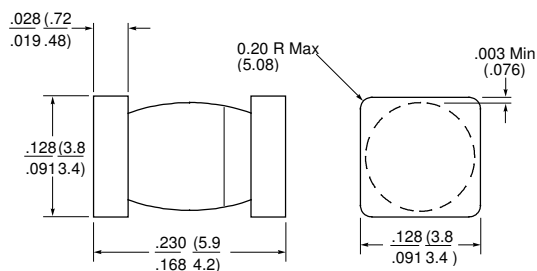
CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP	$(I_F = 2.0 \text{ A})$	V_F	1.35	Volts
MAXIMUM REVERSE CURRENT AT PIV	$(T_A = 25^\circ\text{C})$ $(T_A = 100^\circ\text{C})$	I_R	2.0 500	μA
MAXIMUM REVERSE RECOVERY TIME	$(I_F = 0.5\text{A}, I_R = 1.0 \text{ A}, I_{RR} = 0.25\text{A})$	t_{rr}	30	nsec



MECHANICAL DIMENSIONS - In inches and mm



PKG. 306



MELF-B

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

TECHNICAL DATA

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