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.

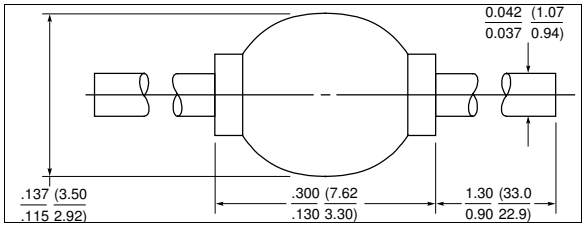
MAX RATINGS ALL RATINGS ARE AT T_A = 25 °C UNLESS OTHERWISE SPECIFIED

RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	600	Volts
MAXIMUM AVERAGE DC OUTPUT CURRENT	(T_A = 55 °C) (T_A = 100°C)	I_O	2.0 6.0	Amps
PEAK SINGLE CYCLE SURGE CURRENT	(t_p = 8.3 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	°C/W
MAXIMUM OPERATING AND STORAGE TEMPERATURE RANGE		-	-65 to +175	°C

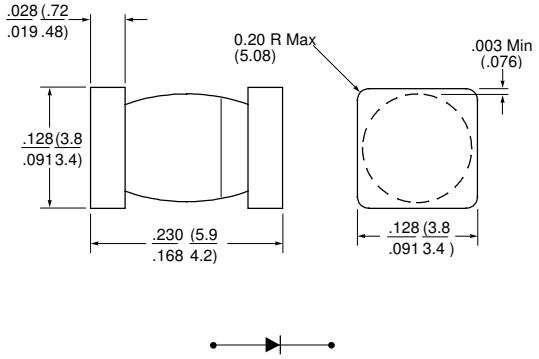
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP	(IF = 2.0 A)	V_F	1.35	Volts
MAXIMUM REVERSE CURRENT AT PIV	(T_A = 25 °C) (T_A = 100 °C)	I_R	2.0 500	µA
MAXIMUM REVERSE RECOVERY TIME	(I_F = 0.5A, I_R = 1.0 A, I_{RR} = 0.25A)	trr	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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