

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

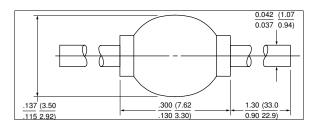
ALL RATINGS ARE AT $T_A = 25$ °C UNLESS OTHERWISE SPECIFIED

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RATING		SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE		PIV	600	Volts
MAXIMUM AVERAGE DC OUTPUT CURRENT	(// /	Io	2.0	Amps
	$(T_A = 100^{\circ}C)$		6.0	
PEAK SINGLE CYCLE SURGE CURRENT	$(t_p = 8.3 \text{ ms})$	I _{FSM}	75	Amps
MAXIMUM THERMAL RESISTANCE, JUNCTIC	N TO LEAD	$R_{\scriptscriptstyle{ hetaJL}}$	22	
MAXIMUM THERMAL RESISTANCE, JUNCTIC	N TO END CAP	$R_{ heta JEC}$	8.0	°C/W
MAXIMUM OPERATING AND STORAGE TEMP	PERATURE RANGE	-	-65 to +175	оС

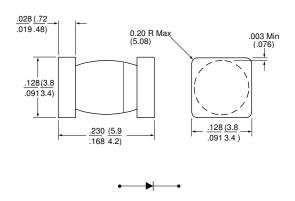
ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP	(IF = 2.0 A)	V_{F}	1.35	Volts
MAXIMUM REVERSE CURRENT AT PIV	$(T_A = 25 {}^{\circ}C)$ $(T_A = 100 {}^{\circ}C)$	I _R	2.0	μΑ
	(1 _A =100 0)		500	
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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