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SENSITRON SEMICONDUCTOR

TECHNICAL DATA DATA SHEET 174, REV. -

HERMETIC SURFACE MOUNT ULTRAFAST RECTIFIER (MELF)

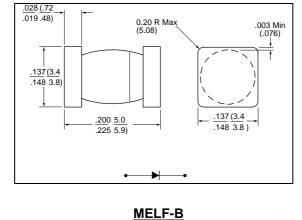
DESCRIPTION: 200 VOLT, 2 AMP, 30 NANOSECOND HERMETIC SURFACE MOUNT RECTIFIER

MAX RATINGS	ALL RATINGS ARE AT $T_A = 25 \ ^{\circ}C$ UNLESS OTHERWISE SPECIFIED			
RATING	R	SYMBOL	MAX.	UNITS
PEAK INVERSE VOLTAGE	A Star of	PIV	200	Volts
MAXIMUM AVERAGE DC OUTPUT CURRENT		Ι _ο	2.0	Amps
	(T _A = 100 ^o C)		6.0	
PEAK SINGLE CYCLE SURGE CURRENT	(t _p = 8.3 ms)	I _{FSM}	75	Amps
MAXIMUM THERMAL RESISTANCE, JUNCTIO	N TO END CAP	$R\theta_{JEC}$	8.0	°C/W
MAXIMUM OPERATING AND STORAGE TEMP	PERATURE RANGE	-	-65 to +175	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTIC		SYMBOL	MAX.	UNITS
MAXIMUM FORWARD VOLTAGE DROP	(I _f = 2.0 A)	V _f	1.35	Volts
MAXIMUM REVERSE CURRENT AT PIV	$(T_A = 25 \ ^{\circ}C)$ $(T_A = 150 \ ^{\circ}C)$	l _r	2.0	μA
	$(1_A = 150^{-1}C)$		500	
MAXIMUM REVERSE RECOVERY TIME	$(I_f = 0.5A, I_r = 1.0 A, I_{rr} = 0.25A)$	l _o	30	nsec

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MECHANICAL DIMENSIONS - In inches and mm

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

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