

# POWER RECTIFIER

**PART NUMBER:SSM1100HEU**

**PACKAGE STYLE:MELF-1**

**CONFIGURATION:SINGLE**

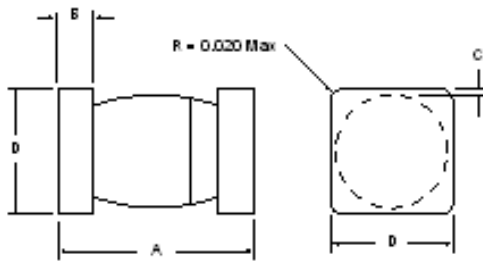
ALL RATINGS ARE @  $T_c = 25\text{ }^\circ\text{C}$  UNLESS OTHERWISE SPECIFIED.

MAXIMUM RATINGS / Conditions	SYMBOL	MAX	UNITS
PEAK INVERSE VOLTAGE	PIV	1000	Volts
MAXIMUM DC OUTPUT CURRENT @ $T_c=55\text{ }^\circ\text{C}$ )	$I_o$	0.75	Amps
MAXIMUM DC OUTPUT CURRENT @ $T_c=100\text{ }^\circ\text{C}$ )	$I_o$	0.6	Amps
MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT ( $t= 8.3\text{ms}$ , Sine)	$I_{FSM}$	20	Amps
MAXIMUM THERMAL RESISTANCE	$R_{\theta JC}$	10	$^\circ\text{C/W}$
JUNCTION TEMPERATURE	$T_{J(MAX)}$		$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS / Conditions	SYMBOL	MAX	UNITS
MAXIMUM FORWARD VOLTAGE DROP, Pulsed ( $I_f = .75\text{ Amps}$ ) $T_J = 25\text{ }^\circ\text{C}$	$V_f$	1.7	Volts
MAXIMUM REVERSE CURRENT $T_j = 25\text{ }^\circ\text{C}$ $T_j = 100\text{ }^\circ\text{C}$	$I_r$	5 50	$\mu\text{A}$
REVERSE RECOVERY TIME	$t_{rr}$	70	ns

**MECHANICAL DIMENSIONS: In Inches / mm**

MELF PACKAGE OUTLINES



Note: Cathode side of device is indicated by a dark band marked on body.

PACKAGE STYLE	DIMENSIONS - INCHES / MILLIMETERS			
	A	B	C	D
MELF-1	.168/.230	0.019/.028	.003 Min	.091/.128
	4.2/5.9	.48/.72	.076 Min	3.4/3.8

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