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Vishay Semiconductors

ELECTRICAL CHARACTERISTICS (T _{amb} = 25 °C, unless otherwise specified)							
PARAMETER	TEST CONDITION	PART	SYMBOL	MIN.	TYP.	MAX.	UNIT
Forward voltage	I _F = 100 mA		V_{F}			1	V
Reverse current	E ≤ 300 lx, rated V _R		I _R		1	3	nA
	$E \le 300$ lx, rated V_R , $T_j = 125$ °C		I _R			0.5	μΑ
	E ≤ 300 lx, V _R = 15 V	BAQ333	I _R		0.5	1	nA
	$E \le 300 \text{ lx}, V_R = 30 \text{ V}$	BAQ334	I _R		0.5	1	nA
	$E \le 300 Ix, V_R = 60 V$	BAQ335	I _R		0.5	1	nA
Breakdown voltage	$I_R = 5 \mu A, t_p/T = 0.01,$ $t_p = 0.3 \text{ ms}$	BAQ333	V _(BR)	40			V
		BAQ334	$V_{(BR)}$	70			V
		BAQ335	V _(BR)	140			V
Diode capacitance	V _R = 0 V, f = 1 MHz		C _D			3	pF

TYPICAL CHARACTERISTICS (T_{amb} = 25 °C, unless otherwise specified)

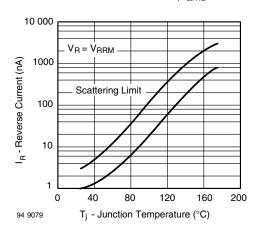


Fig. 1 - Reverse Current vs. Junction Temperature

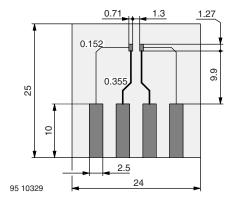


Fig. 3 - Board for R_{thJA} Definition (in mm)

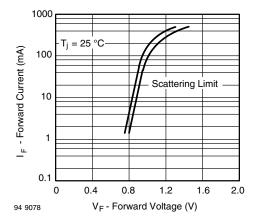


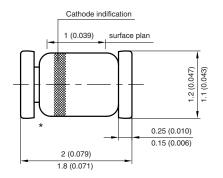
Fig. 2 - Forward Current vs. Forward Voltage

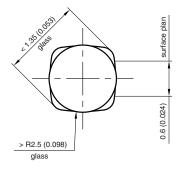


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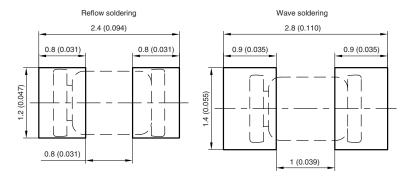
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PACKAGE DIMENSIONS in millimeters (inches): MicroMELF





Foot print recommendation:



Created - Date: 26.July.1996 Rev. 13 - Date: 07.June.2006 Document no.:6.560-5007.01-4

^{*} The gap between plug and glass can be either on cathode or anode side

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