

BAS70-00-V to BAS70-06-V



Vishay Semiconductors

Electrical Characteristics

$T_{amb} = 25\text{ }^{\circ}\text{C}$, unless otherwise specified

Parameter	Test condition	Symbol	Min	Typ.	Max	Unit
Reverse breakdown voltage	$I_R = 10\text{ }\mu\text{A}$ (pulsed)	$V_{(BR)}$	70			V
Leakage current	$V_R = 50\text{ V}$	I_R		20	100	nA
Forward voltage	$I_F = 1.0\text{ mA}$	V_F			410	mV
Forward voltage ¹⁾	$I_F = 15\text{ mA}$,	V_F			1000	mV
Diode capacitance	$V_R = 0\text{ V}$, $f = 1\text{ MHz}$	C_D		1.5	2	pF
Reverse recovery time	$I_F = I_R = 10\text{ mA}$, $i_R = 1\text{ mA}$, $R_L = 100\text{ }\Omega$	t_{rr}			5	ns

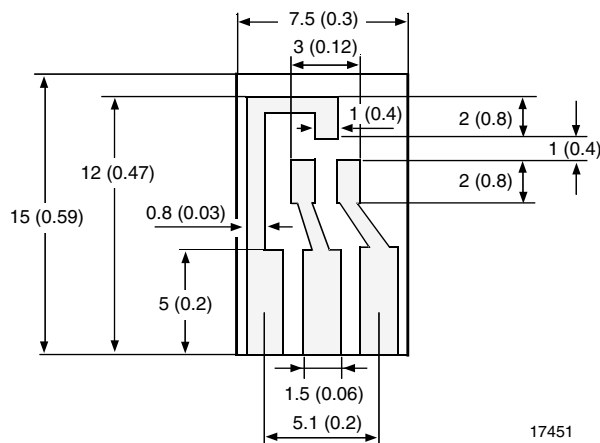
¹⁾ Pulse test; $t_p \leq 300\text{ }\mu\text{s}$

Layout for R_{thJA} test

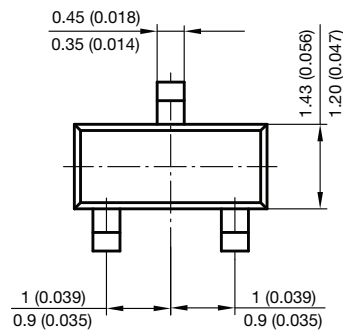
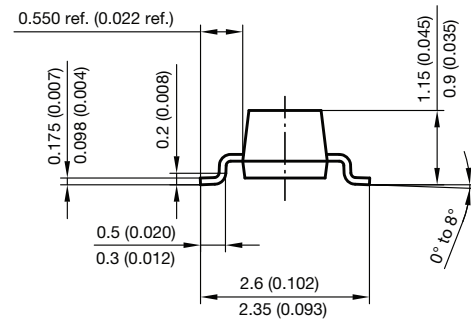
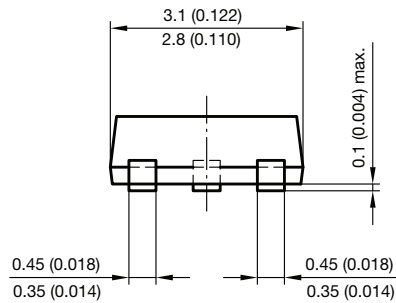
Thickness:

Fiberglass 1.5 mm (0.059 in.)

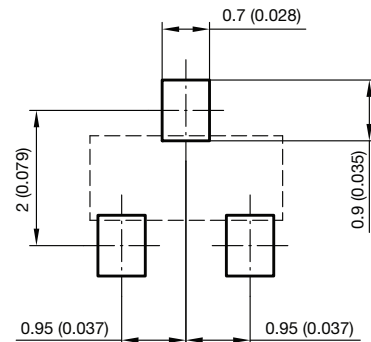
Copper leads 0.3 mm (0.012 in.)



Package Dimensions in millimeters (inches): SOT-23



Foot print recommendation:



Document no.: 6.541-5014.01-4

Rev. 8 - Date: 23.Sept.2009

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