BAV99

FAST SWITCHING DIODES

REVERSE VOLTAGE: **70 VOLTS**

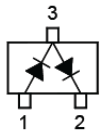
POWER DISSIPATION: **225 mWATTS**

FEATURES

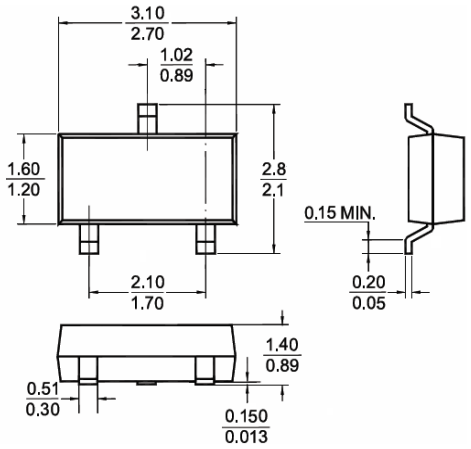
· Fast Switching Speed

· High Conductance

· Suffix "H" indicates Halogen-free parts, ex. BAV99H



SOT-23



Dimensions in inches and (millimeter)

Maximum Ratings@T $_A$ =25 ℃

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	70	V
Forward Current	I_F	200	mA
Power Dissipation	P_{TOT}	225	mW
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	556	℃/W
Junction Temperature	T_J	150	℃
Storage Temperature Range	T_{STG}	-55 to +150	℃

Electrical Characteristics@T $_A$ =25 ℃

Parameter	Conditions	Symbol	Min	Max	Unit
Reverse Breakdown Voltage	I_R=100μA	V_R	70	-	V
Forward Voltage	I_F=1mA	V_F	-	715	mV
	I_F=10mA		-	855	
	I_F=50mA		-	1000	
	I_F=150mA		-	1250	
Reverse current	V_R=70V, T_J=25℃	I_R	-	2.5	μA
Typical Junction Measured at Capacitance	V_R=0, f=1MHz	C_J	-	1.5	pF
Reverse Recovery Time	I_F = I_R = 10mA, Irr= 0.1 x I_R, R_L = 100Ω	t_{rr}	-	6	nS

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Typical Characteristics