

(Pb)

Micro Commercial Components

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Features

- Ultra-Small Surface Mount Package
- For General Purpose Switching Applications
- High Conductance
- Epoxy meets UL 94 V-0 flammability rating

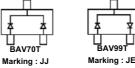


BAS16T

Marking : A2







Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Peak Repetitive Reverse Voltage	V_{RRM}	85V		
Continuous Forward Current	I _F	75mA		
Power Dissipation	PD	150mW		
Peak Forward Surge Current @t=1.0us @t=1.0ms @t=1.0s	I _{FSM}	4.0A 1.0A 0.5A		
Maximum Instantaneous Forward Voltage	V _F	715mV 855mV 1000mV 1250mV	$I_F = 1mA$ $I_F = 10mA;$ $I_F = 50mA$ $I_F = 150mA$	
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	2μΑ 0.03μΑ	V _R =75Volts V _R =25Volts	
Typical Total Capacitance	C _T	1.5pF	Measured at 1.0MHz, V _R =0V	
Reverse Recovery Time	T _{rr}	4nS	IF = IR = 10mA, Irr = 0.1 x IR, RL = 100Ω	

SOT-523

BAS16T

BAW56T

BAV70T

BAV99T

150mW 85Volt

Switching Diode

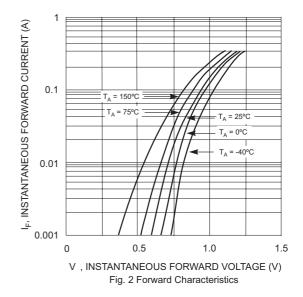
DIM A B	INC MIN	HES	м		
А	MIN		ММ		
		MAX	MIN	MAX	NOTE
В	.059	.067	1.50	1.70	
D	.030	.033	0.75	0.85	
С	.057	.069	1.45	1.75	
D	.020 Nominal		0.50Nominal		
Е	.035	.043	0.90	1.10	
G	.000	.004	.000	.100	
Н	.028	.031	.70	0.80	
J	.004	.008	.100	.200	
К	.010	.014	.25	.35	

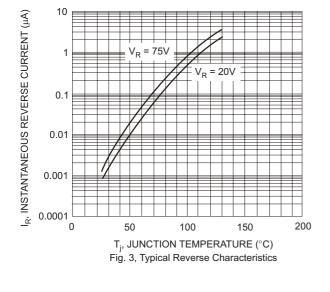
- www.mccsemi.com

BAS16T/BAW56T BAV70T/BAV99T



300 250 I_F, FORWARD CURRENT (mA) 200 Single diode loaded 150 100 Double diode loaded 50 0 0 50 100 150 200 T_S, SOLDERING POINT TEMPERATURE (°C) Fig. 1 Current Derating Curve





www.mccsemi.com



Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel: 3Kpcs/Reel	

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