

Pb

Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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BAV199WT

Features

- Low Current Leakage
- Forward Current:IF=160mA.
- Small Outline Surface Mount Package
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: K52
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)
- Halogen free available upon request by adding suffix "-HF"

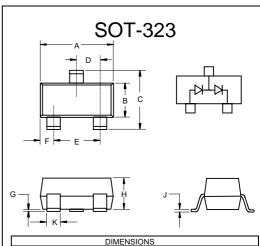
Maximum Ratings @ 25°C Unless Otherwise Specified

Parameter	Symbol	Value
Peak Repetitive Reverse Voltage	V_{RRM}	85V
Working Peak Reverse Voltage	V_{RWM}	85V
RMS Reverse Voltage	$V_{R(RMS)}$	60V
Average Rectified Output Current	Io	160mA
Non-Repetitive Peak Forward Surge Current	I _{FSM}	4A @1us 1A @1ms 0.5A @1s
Power Dissipation	P _{TOT}	200mW
Thermal Resistance Junction to Ambient	R_{thJA}	625°C/W
Operating Temperature	TJ	-55°C to +150°C
Storage Temperature	T _{stg}	-55°C to +150°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Тур	Max	Unit
V_{BR}	Reverse Breakdown Voltage (I _R -100µA)	85	-	-	٧
V _F	Forward Voltage I _F =1.0mA I _F =10mA I _F =50mA I _F =150mA	 	 	0.90 1.00 1.10 1.25	٧
I _R	Leakage Current $(V_R=75V)$			5.0	nA
C _j	Junction Capacitance (V _R =0, f=1.0MHz)		2.0		pF
t _{rr}	Reverse recovery time			3.0	μs

Dual Series Switching Diode



DIMENSIONS					
	INCHES		MM		
DIM	MIN	MAX	MIN	MAX	NOTE
Α	.071	.087	1.80	2.20	
В	.045	.053	1.15	1.35	
С	.083	.096	2.10	2.45	
D	.026 No	ominal	0.65Nom	inal	
Е	.047	.055	1.20	1.40	
F	.012	.016	.30	.40	
G	.000	.004	.000	.100	
Η	.035	.039	.90	1.00	
J	.004	.010	.100	.250	
K	.006	.016	.15	.40	

Suggested Solder
Pad Layout

0.70

1.90

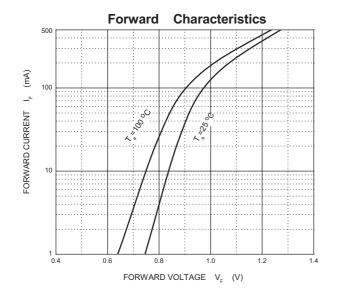
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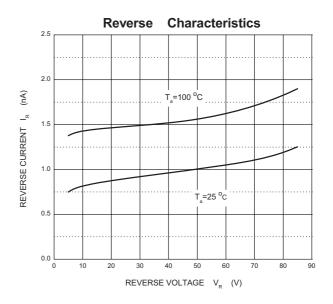
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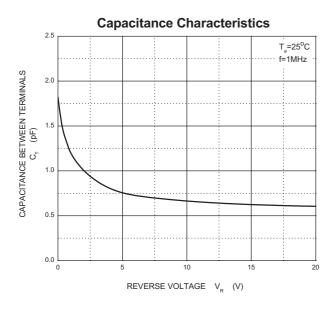
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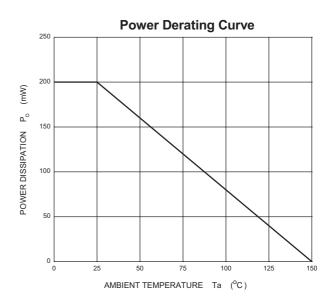


Typical Characteristics











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Ordering Information:

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

Note: Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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