查询BAV99W-7-F供应商



BAV99W

SOT-323

Min

0.25

1.15

2.00

0.30

1.20

1.80

0.0

0.90

0.25

0.10

0°

All Dimensions in mm

0.65 Nominal

Max

0.40

1.35

2.20

0.40

1.40

2.20

0.10

1.00

0.40

0.18

8°

Dim

Α

В

С

D

Ε

G

н

J

Κ

L

Μ

α

DECES

DUAL SURFACE MOUNT SWITCHING DIODE

捷多邦,专业PCB打样工厂,24小时加急出货

Features

- Fast Switching Speed
- Ultra-small Surface Mount Package
- For General Purpose Switching Applications
- High Conductance
- Lead Free/RoHS Compliant (Note 3)
- Qualified to AEC-Q101 Standards for High Reliability
- "Green" Device (Note 4 and 5)

Mechanical Data

- Case: SOT-323
- Case Material: Molded Plastic, "Green" Molding Compound, Note 5. UL Flammability Classification Rating 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020C
- Terminals: Solderable per MIL-STD-202, Method 208
- Lead Free Plating (Matte Tin Finish annealed over Alloy 42 leadframe).
- Polarity: See Diagram
- Marking: KJG (See Page 3)
- Weight: 0.006 grams (approximate)

Maximum Ratings @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	Value	Unit		
Non-Repetitive Peak Reverse Voltage	V _{RM}	100	V		
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	75	.025C-C0		
RMS Reverse Voltage	V _{R(RMS)}	53	V		
Forward Continuous Current (Note 1)	I _{FM}	300	mA		
Average Rectified Output Current (Note 1)	lo	150	mA		
Non-Repetitive Peak Forward Surge Current @ t = 1.0µs (Note 1) @ t = 1.0s	I _{FSM}	2.0 1.0	А		
Power Dissipation (Note 1)	Pd	200	mW		
Thermal Resistance Junction to Ambient Air (Note 1)	R _{0JA}	625	°C/W		
Operating and Storage Temperature Range	T _i , T _{STG}	-65 to +150	°C		

Electrical Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	Min	Max	Unit	Test Condition	
Reverse Breakdown Voltage (Note 2)	V _{(BR)R}	75		V	I _R = 2.5μA	
Forward Voltage	VF		0.715 0.855 1.0 1.25	V	$\begin{array}{l} I_F = 1.0mA \\ I_F = 10mA \\ I_F = 50mA \\ I_F = 150mA \end{array}$	
Reverse Current (Note 2)	I _R		2.5 50 30 25	μΑ μΑ μΑ nA	$ \begin{array}{l} V_{R} = 75V \\ V_{R} = 75V, \ T_{j} = 150^{\circ}C \\ V_{R} = 25V, \ T_{j} = 150^{\circ}C \\ V_{R} = 20V \end{array} $	
Total Capacitance	Ст		2.0	pF	$V_{R} = 0, f = 1.0MHz$	
Reverse Recovery Time	t _{rr}		4.0	ns	$\label{eq:IF} \begin{array}{l} I_F = I_R = 10 m A, \\ I_{rr} = 0.1 \ x \ I_R, \ R_L = 100 \Omega \end{array}$	

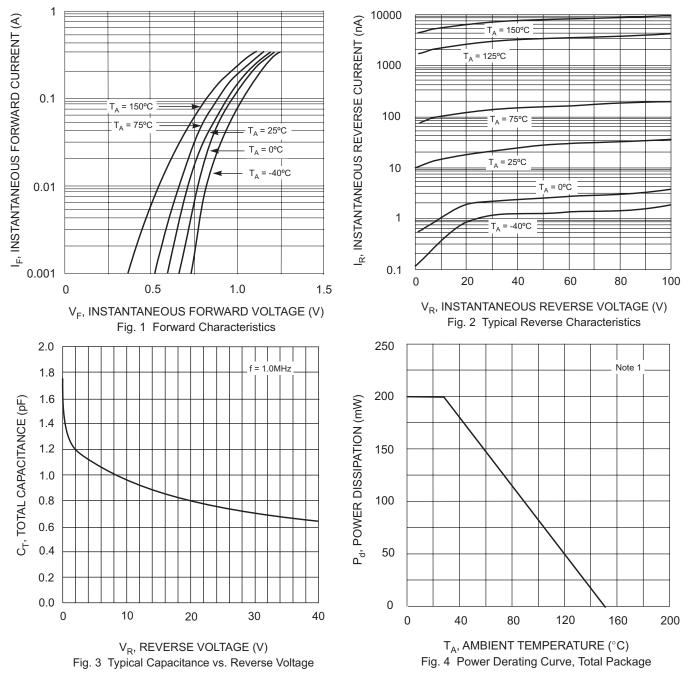


1. Device mounted on FR-4 PC board with recommended pad layout, which can be found on our website at http://www.diodes.com/datasheets/ap02001.pdf.

No purposefully added lead.
Diodes Inc.'s "Green" policy can be found on our website at http://www.diodes.com./products/lead_free/index.php.

df.dzs5, Ceroduct manufactured with Date Code 0609 (week 9, 2006) and newer are built with Green Molding Compound. Product manufactured prior to Date Code 0609 are built with Non-Green Molding Compound and may contain Halogens or Sb2O3 Fire Retardants.







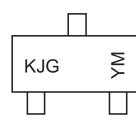
Ordering Information (Note 5 & 6)

Device	Packaging	Shipping			
BAV99W-7-F	SOT-323	3000/Tape & Reel			

Notes: 5. Product manufactured with Date Code 0609 (week 9, 2006) and newer are built with Green Molding Compound. Product manufactured prior to Date Code 0609 are built with Non-Green Molding Compound and may contain Halogens or Sb2O3 Fire Retardants.

6. For Packaging Details, go to our website at http://www.diodes.com/datasheets/ap02007.pdf.

Marking Information



KJG = Product Type Marking Code YM = Date Code Marking Y = Year ex: N = 2002M = Month ex: 9 = September

Date Code Key

Year	2000	2001	2002	200	3	2004	2005	2006	2007	2008	200	9 2010	2011	2012
Code	L	М	Ν	Р		R	S	Т	U	V	W	Х	Y	Z
Mont	h	Jan	Feb	March	Арі	r M	ay	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Code	;	1	2	3	4		5	6	7	8	9	0	Ν	D

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