

Features

- Low Current Leakage
- Low Cost
- Small Outline Surface Mount Package
- Halogen Free. "Green" Device (Note 1)
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

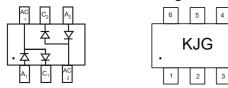
- Operating Junction Temperature : -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance(Note2):625°C/W Junction to Ambient

MCC Part Number	Repetitive Peak Reverse Voltage V _{RRM}	RMS Reverse Voltage V _{R(RMS)}	DC Blocking Voltage V _R
BAV99DW	75V	53V	75V

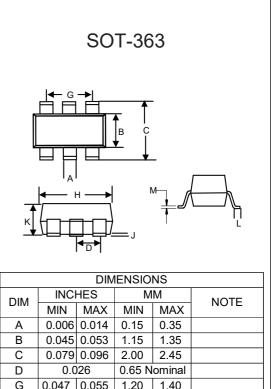
Working Peak Reverse Voltage	V _{RWM}	75V	
Average Rectified Output Current	۱ _۰	150mA	
Forward Continuous Current	I _{FM}	300mA	
Non-Repetitive Peak Forward Surge Current	I _{FSM}	2.0A	t=8.3ms
Power Dissipation	P _D	200mW	

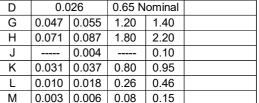
Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds. Note: 2. Part mounted on FR-4 board with recommended pad layout.

Internal Structure and Marking Code

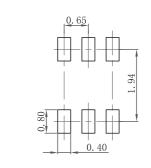


200mW 75Volt Plastic-Encapsulate Diode





Suggested Solder Pad Layout



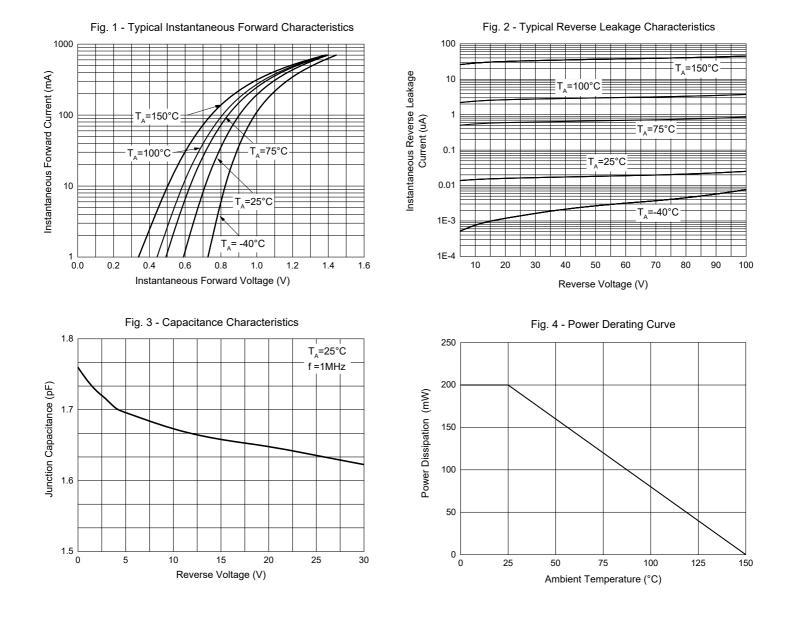


Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Voltage	V _R	Ι _R =100μΑ	75			V
Forward Voltage	V _F	I _F =1mA			0.715	V
		I _F =10mA			0.855	V
		I _F =50mA			1.00	V
		I _F =150mA			1.25	V
Reverse Current	I _R	V _R =20V			0.025	μA
		V _R =75V			2.5	μA
Junction Capacitance	CJ	V _R = 0V, f = 1MHz		2		pF
Reverse Recovery Time	t _{rr}	I _F =I _R =10mA, I _{rr} =0.1×I _R ,R _L =100Ω		4		ns



Curve Characteristics





Ordering Information

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

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