

SURFACE MOUNT SWITCHING DIODES

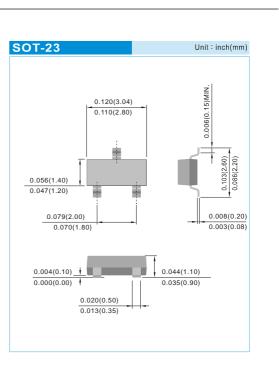
VOLTAGE 100 Volt POWER 250mWatt

FEATURES

- Fast switching speed.
- · Surface mount package ideally suited for automatic insertion
- Electrically identical to Standard JEDEC
- High Conductance
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

MECHANICAL DATA

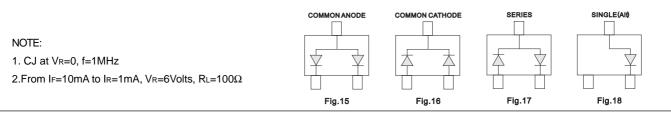
- Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Apporx. Weight: 0.0003 ounces, 0.0084 grams



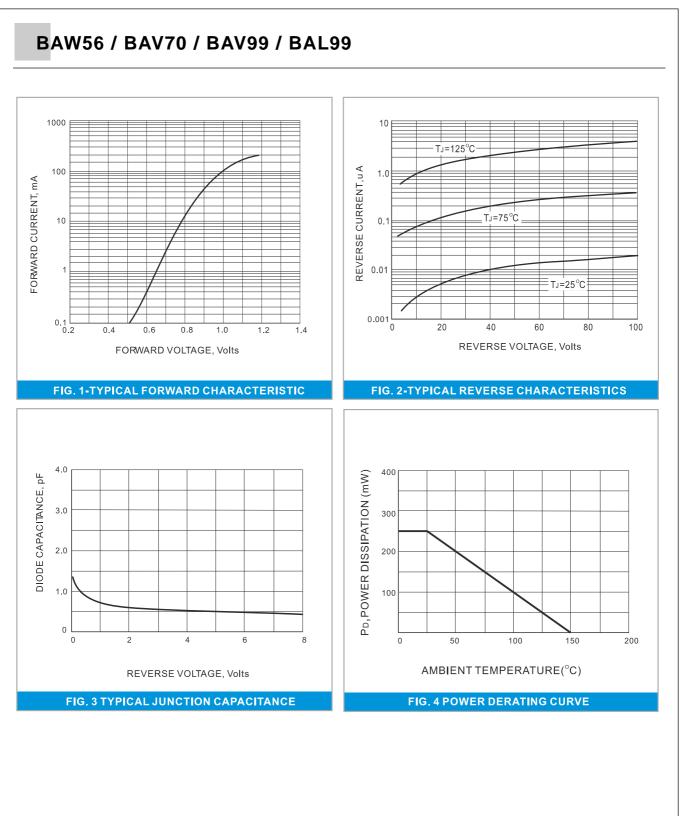
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. For capacitive load, derate current by 20%.

PARAMETER	SYMBOL	BAW56	BAV70	BAV99	BAL99	UNITS
Marking Code	-	JC	JA	JB	JF	-
Reverse Voltage	V _R	75				
Peak Reverse Voltage	V _{RM}		V			
Rectified Current (Average), Half Wave Rectification with Resistive Load and f <u>></u> 50 Hz	I _o		mA			
Peak Forward Surge Current,0.001ms	I _{FSM}		А			
Power Dissipation Derate Above 25°C	P _{TOT}	250				
Maximum Forward Voltage	V _F		V			
Maximum DC Reverse Current at 25V 75V	I _R		μA			
Maximum Junction Capacitance (Notes 1)	C」		рF			
Maximum Reverse Recovery Time (Notes 2)	t _{rr}		ns			
Typical Thermal Resistance	R _{eja} R _{ejc}		°C / W			
Junction Temperature Range	TJ		°C			
Circuit Figure	-	Common Anode	Common Cathode	Series	Single(Alt)	-





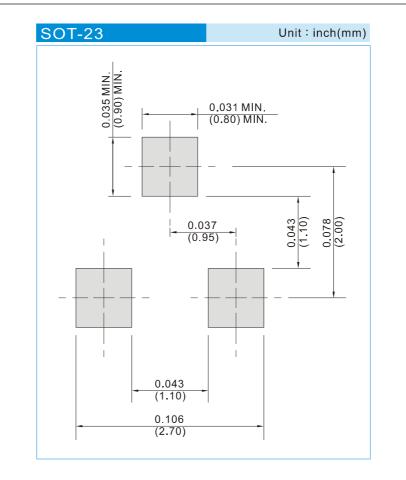


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BAW56 / BAV70 / BAV99 / BAL99

MOUNTING PAD LAYOUT



ORDER INFORMATION

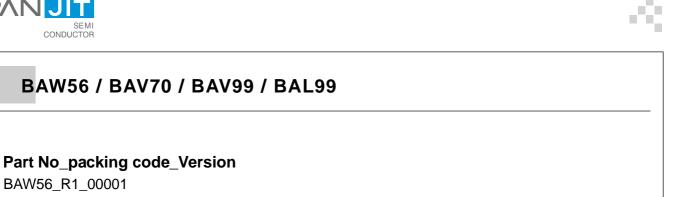
Packing information

July 19,2017-REV.03

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel





For example :

BAW56_R1_00001 BAW56_R2_00001

RB500V-40_R2_00001

Т

Part No.

Serial number -Version code means HF

- Packing size code means 13"
- Packing type means T/R

Packing Code XX					Version Code XXXXX			
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th Code		
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number		
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number		
Bulk Packing (B/P)	В	13"	2					
Tube Packing (T/P)	т	26mm	X					
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y					
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U					
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D					





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BAW56_R1_00001 BAW56_R1_10001 BAW56_R2_00001 BAW56_R2_10001