

BAW56-AU / BAV70-AU / BAV99-AU / BAL99-AU

SURFACE MOUNT SWITCHING DIODES

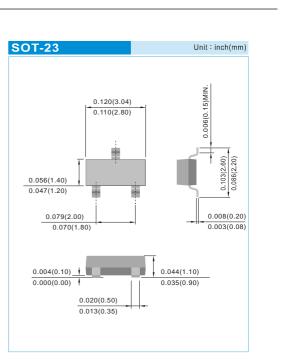
VOLTAGE 100 Volt POWER 250mWatt

FEATURES

- · Fast switching speed.
- · Surface mount package ideally suited for automatic insertion
- Electrically identical to Standard JEDEC
- High Conductance
- Acquire quality system certificate : TS16949
- AEC-Q101 qualified
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

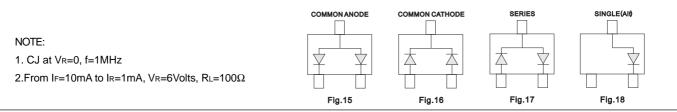
- Case: SOT-23, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Apporx. Weight: 0.0003 ounce, 0.0084 gram



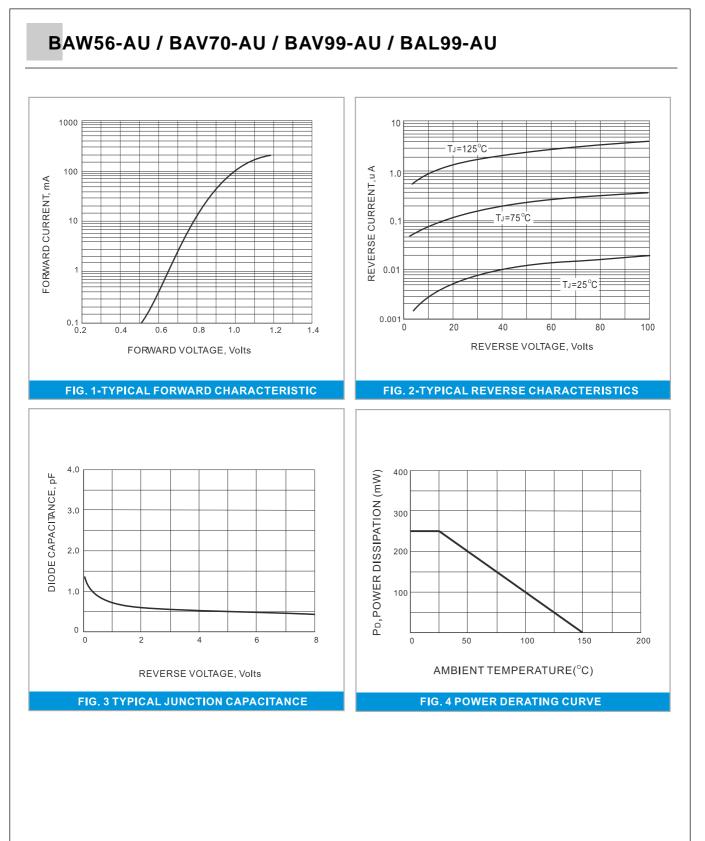
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

PARAMETER	SYMBOL	BAW56-AU	BAV70-AU	BAV99-AU	BAL99-AU	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 \geq 50 Hz	I o	150					
Peak Forward Surge Current,0.001ms	I _{FSM}		А				
Power Dissipation Derate Above 25°C	Ρ _{τοτ}	250					
Maximum Forward Voltage	V _F	0.715 @ I F=1mA 0.855 @ I F=10mA 1.0 @ I F=50mA 1.25 @ I F=150mA					
Maximum DC Reverse Current at 25V 75V	I _R		μA				
Maximum Junction Capacitance (Notes 1)	C」	1.5					
Maximum Reverse Recovery Time (Notes 2)	t _{rr}	4.0					
Typical Thermal Resistance	R _{eJA} R _{eJC}	360 205					
Junction Temperature Range	TJ	-55 to +150					
Circuit Figure	-	Common Anode	Common Cathode	Series	Single(Alt)	-	





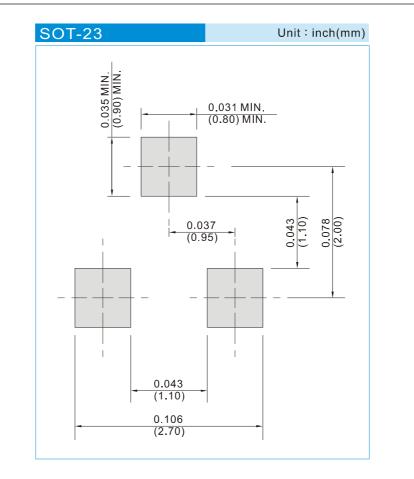


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MOUNTING PAD LAYOUT



ORDER INFORMATION

Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel





Part No_packing code_Version BAW56-AU_R1_000A1

BAW56-AU_R2_000A1

For example :

RB500V-40_R2_00001

Т

Part No.

Serial numberVersion 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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