



SURFACE MOUNT SWITHCHING DIODES

Voltage

250 V

Power

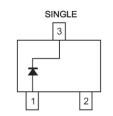
200mW

Features

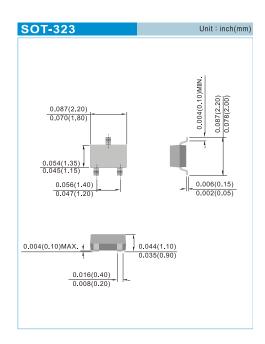
- Fast switching speed
- Surface mount package Ideally Suited for Automatic insertion
- Electrically Identical to Standard JEDEC
- High Conductance
- Acqire quality system certificate: TS16949
- AEC-Q101 qualified
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as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

Mechanical Data

- Case: SOT-323, Plastic
- Terminals: solder plated, solderable per MIL-STD-750, Method 2026
- Weight: 0.0002 ounces, 0.005 grams







Maximum Ratings And Electrical Characteristics (T_A=25 °C unless otherwise noted)

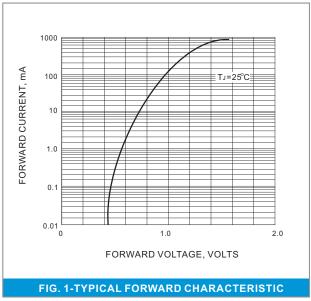
PARAMETER	SYMBOL	VALUE	UNIT
Marking Code		A82	
Reverse Voltage	VR	200	٧
Peak Reverse Voltage	Vrm	250	V
Rectified Current (Average), Half Wave Rectification with Resistive Load and f>50Hz	lo	200	mA
Peak Forward Surge Current : 1μs	IFSM	4	Α
Power Dissipation Derate Above 25°C	Ртот	200	mW
Maximum Forward Voltage at 0.1A	VF	1	V
Maximum Dc Reverse Current at Rated Dc Blocking Voltage T _{J=25} °C	lR	0.1	μА
Typical Junction Capacitance (Note 1)	Сл	5	pF
Maximum Reverse Recovery (Note 2)	Trr	50	ns
Typical Thermal Resistance	Roja	625	°C/W
Operating Junction and Storage Temperature Range	Т _Ј ,Тѕтс	-55 to +150	°C

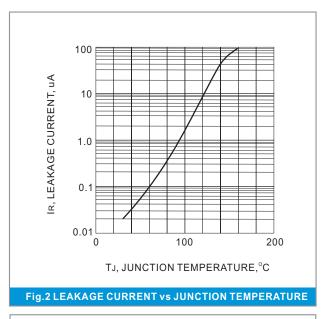
Note: 1. CJ at VR=0, f=1MHz

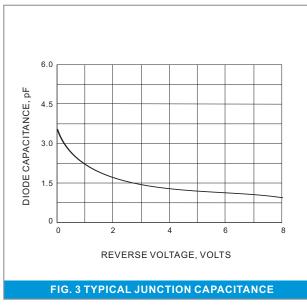
2. From I_F=10mA to I_R=1mA, V_R=6V, R_L=100 Ω

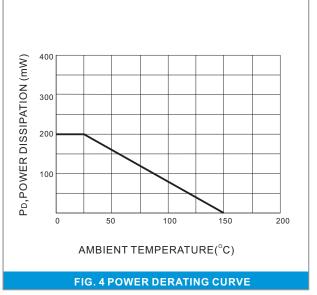








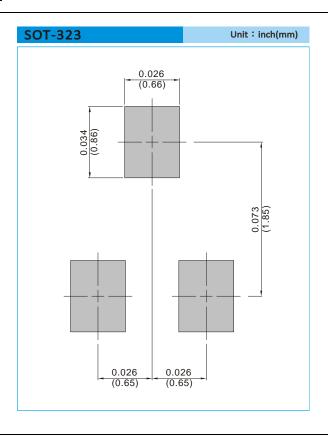








MOUNTING PAD LAYOUT



ORDER INFORMATION

• Packing information

T/R - 12K per 13" plastic Reel

T/R - 3K per 7" plastic Reel

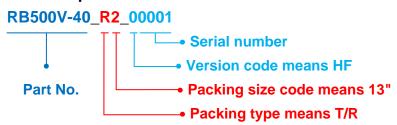




Part No_packing code_Version

BAS21W-AU_R1_000A1 BAS21W-AU_R2_000A1

For example:



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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