

BAS16W-AU

SURFACE MOUNT SWITCHING DIODES

VOLTAGE	100 Volt	POWER	200mWatt
----------------	-----------------	--------------	-----------------

SOT-323 Unit : inch(mm)

FEATURES

- Fast switching Speed.
- Electrically Identical to Standard JEDEC
- High Conductance
- Surface Mount Package Ideally Suited for Automatic Insertion
- AEC-Q101 qualified
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard

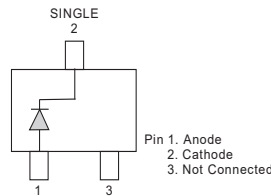
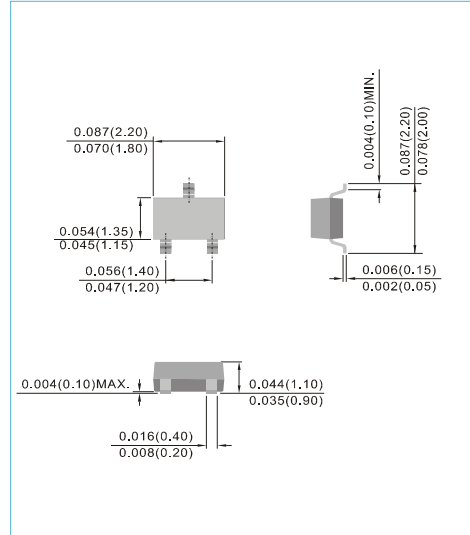
MECHANICAL DATA

Case : SOT-323 plastic case.

Terminals : Solderable per MIL-STD-750, Method 2026

Standard packaging : 8mm tape

Approx weight : 0.005 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_J=25°C unless otherwise noted)

PARAMETER	SYMBOL	VALUE	UNITS
Marking Code		A6	
Reverse Voltage	V _R	75	V
Peak Reverse Voltage	V _{RM}	100	V
RMS Voltage	V _{RMS}	50	V
Maximum DC Blocking Voltage	V _{DC}	75	V
Maximum Average Forward Current at T _A =25°C	I _{AV}	150	mA
Peak Forward Surge Current, 1μs	I _{FSM}	4	A
Power Dissipation Derate Above 25°C	P _{TOT}	200	mW
Maximum Forward Voltage	V _F	0.855 / 0.01A	V
Maximum DC Reverse Current at Rated DC Blocking Voltage T _J =25°C	I _R	1@75V	μA
Junction Capacitance (Note1)	C _J	2	pF
Maximum Reverse Recovery (Note2)	T _{RR}	6	ns
Typical Thermal Resistance	R _{θJA}	640	°C / W
Operation and Storage Temperature Range	T _J	-55 to +150	°C

NOTE :

1. C_J at V_R=0, f=1MHZ

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

BAS16W-AU

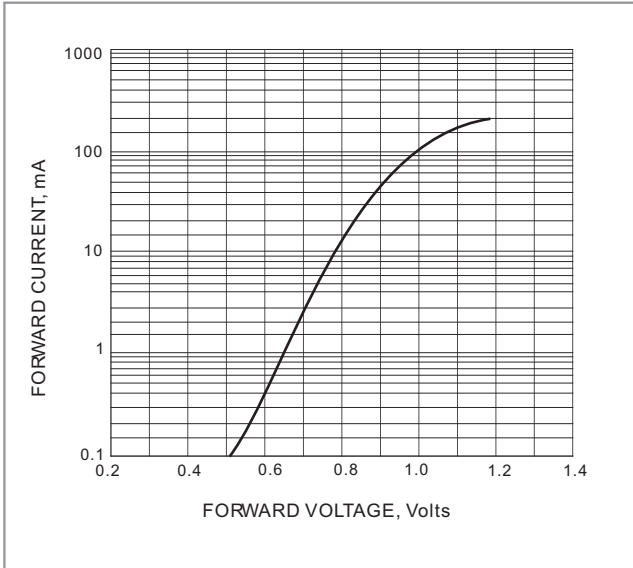


FIG. 1-TYPICAL FORWARD CHARACTERISTIC

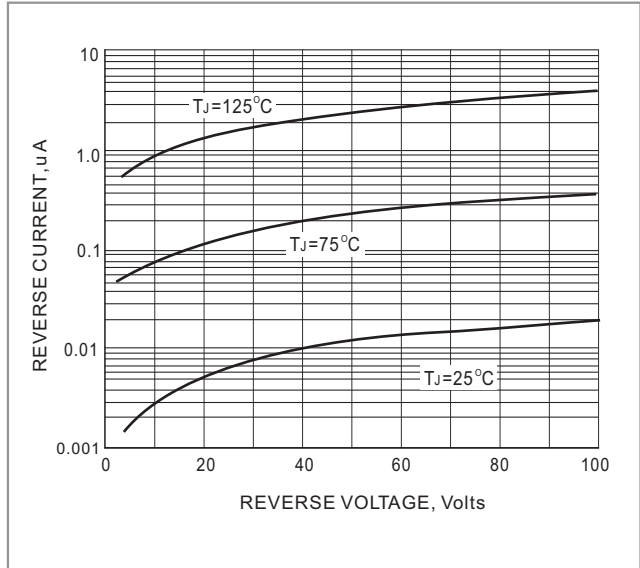


FIG. 2-TYPICAL REVERSE CHARACTERISTICS

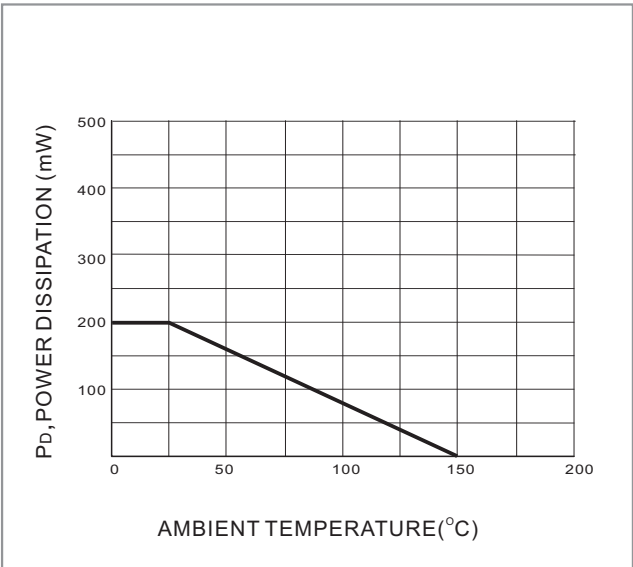


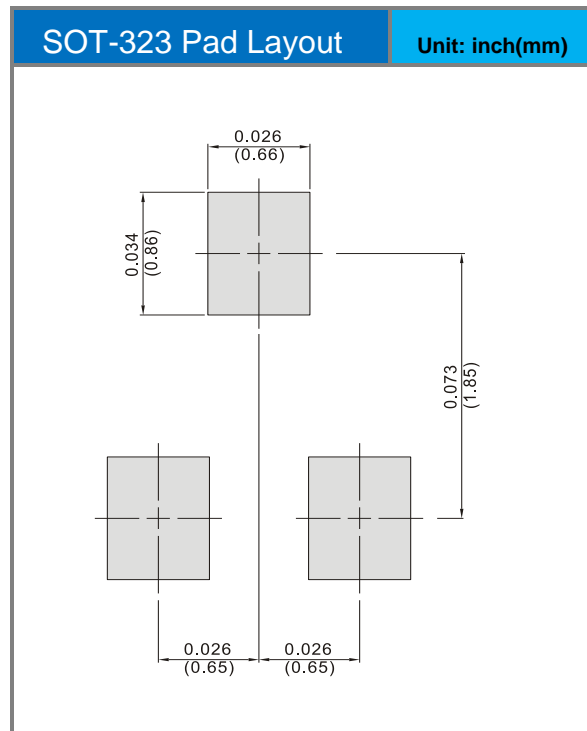
FIG. 3 POWER DERATING CURVE

BAS16W-AU

Product and Packing Information

Part No.	Package Type	Packing Type	Marking
BAS16W-AU	SOT-323	3K pcs / 7" reel	A6
BAS16W-AU	SOT-323	12K pcs / 13" reel	A6

Mounting Pad Layout



BAS16W-AU

Disclaimer

- Reproducing and modifying information of the document is prohibited without permission from Panjit International Inc..
- Panjit International Inc. reserves the rights to make changes of the content herein the document anytime without notification. Please refer to our website for the latest document.
- Panjit International Inc. disclaims any and all liability arising out of the application or use of any product including damages incidentally and consequentially occurred.
- Panjit International Inc. does not assume any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.
- Applications shown on the herein document are examples of standard use and operation. Customers are responsible in comprehending the suitable use in particular applications. Panjit International Inc. makes no representation or warranty that such applications will be suitable for the specified use without further testing or modification.
- The products shown herein are not designed and authorized for equipments relating to human life and for any applications concerning life-saving or life-sustaining, such as medical instruments, aerospace machinery et cetera. Customers using or selling these products for use in such applications do so at their own risk and agree to fully indemnify Panjit International Inc. for any damages resulting from such improper use or sale.
- Since Panjit uses lot number as the tracking base, please provide the lot number for tracking when complaining.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Small Signal Switching Diodes](#) category:

Click to view products by [Panjit](#) manufacturer:

Other Similar products are found below :

[BAS16E6433HTMA1](#) [SHN2D02FUTW1T1G](#) [BAS 16-02L E6327](#) [BAS 16-02V H6327](#) [BAS 21U E6327](#) [BAS 28 E6327](#) [BAW56DWQ-7-F](#)
[BAW56M3T5G](#) [IDW40E65D1](#) [IDW40E65D2](#) [SMMSD4148T3G](#) [NSVDAN222T1G](#) [CDSZC01100-HF](#) [BAS28-7](#) [JANTX1N6640](#)
[BAW56HDW-13](#) [BAV99TQ-13-F](#) [SMSD1002T1G](#) [LS4148](#) [IDV15E65D2](#) [W0503RH200S0L](#) [M0268SJ200NLF](#) [M0268RJ200NLF](#)
[DAN217U-TP](#) [BAV21W-HE3_A-08](#) [BAV99-HE3_A-08](#) [BAW56-HE3_A-08](#) [BAS16-HE3_A-08](#) [BAS16D-HE3_A-08](#) [BAV19W-HE3_A-08](#)
[BAS20-HE3_A-08](#) [BAL99-HE3_A-08](#) [BAV23C-HE3_A-08](#) [DHVSD3004BRM-7](#) [DLLFSD01LP3Q-7](#) [BAS16VVQ-7](#)
[IDWD100E120D7XKSA1](#) [IDWD120E120D7XKSA1](#) [IDWD140E120D7XKSA1](#) [IDWD30E120D7XKSA1](#) [IDWD40E120D7XKSA1](#)
[IDWD50E120D7XKSA1](#) [IDWD60E120D7XKSA1](#) [IDWD75E120D7XKSA1](#) [BAS21TWQ-7](#) [BAV21WQ-7-F](#) [MMBD4448HADWQ-7-F](#)
[BAV23AQ-13-F](#) [1N4148WSQ-13-F](#) [BAW56WQ-7-F](#)