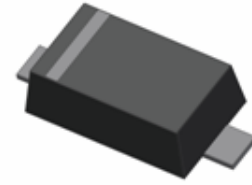


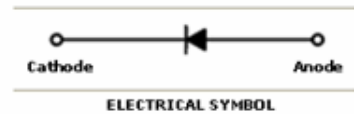
Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation	400	mW
T _{STG}	Storage Temperature Range	-65 to +125	°C
T _J	Operating Junction Temperature	+125	°C
V _{RRM}	Repetitive Peak Reverse Voltage	30	V
V _R	Maximum DC Blocking Voltage	30	V
I _{F(AV)}	Average Forward Rectified Current	200	mA
I _{FSM}	Peak Forward Surge Current	4	A

These ratings are limiting values above which the serviceability of the diode may be impaired.



SOD-123 Flat Lead



Specification Features:

- Low Forward Voltage Drop
- Flat Lead SOD-123 Small Outline Plastic Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode

DEVICE MARKING CODE:

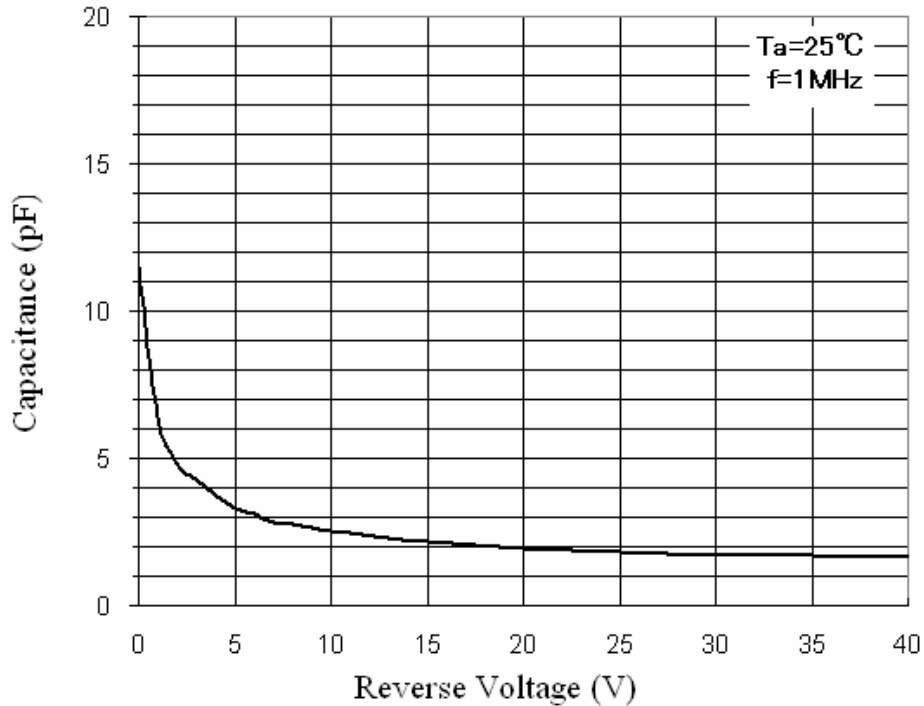
Device Type	Device Marking
BAT42W	C1
BAT43W	C2

Electrical Characteristics T_A = 25°C unless otherwise noted

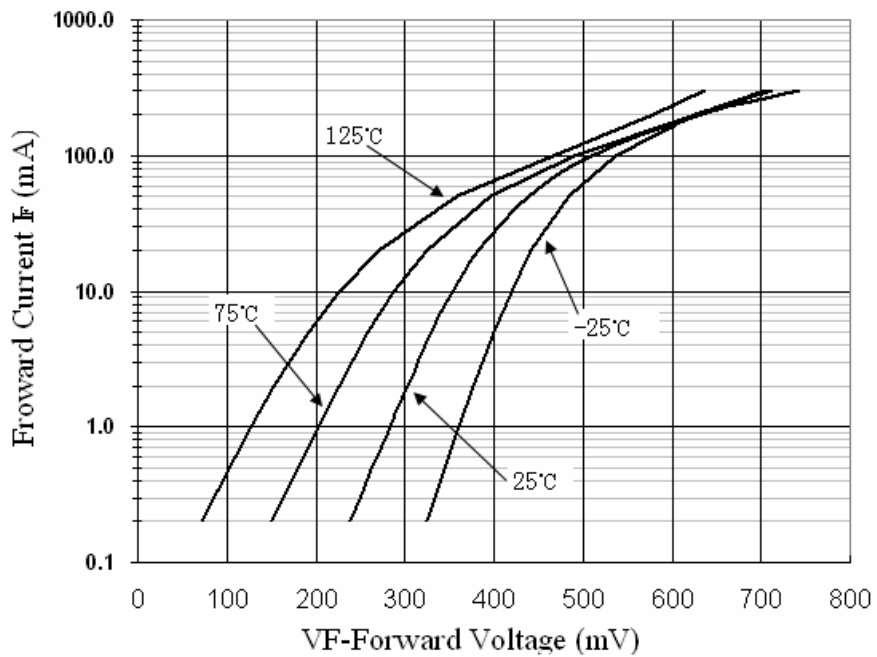
Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
B _V	Breakdown Voltage	I _R =100μA	30		Volts
I _R	Reverse Leakage Current	V _R =25V		500	nA
V _F	Forward Voltage	BAT42W I _F =10mA	0.26	0.40	Volts
		I _F =50mA		0.65	
		BAT43W I _F =2mA		0.33	
		I _F =15mA		0.45	
	BAT42W, BAT43W I _F =200mA		1.0		
T _{RR}	Reverse Recovery Time	I _F =I _R =10mA R _L =100Ω I _{RR} =1mA	5 (Typical)		nS
C	Capacitance	V _R =1V, f=1MHz	7 (Typical)		pF

Typical Performance Characteristics

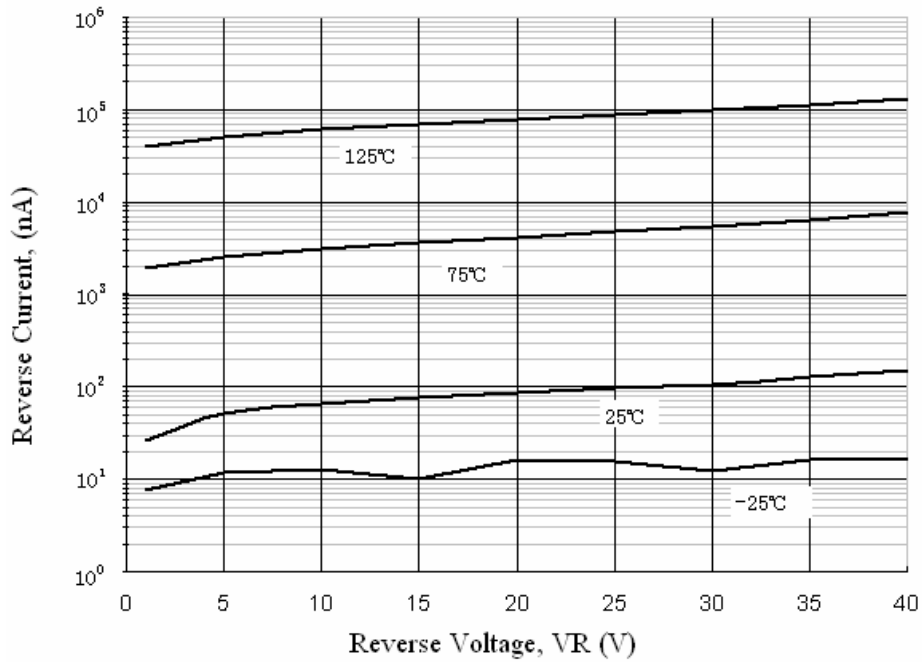
Total Capacitance



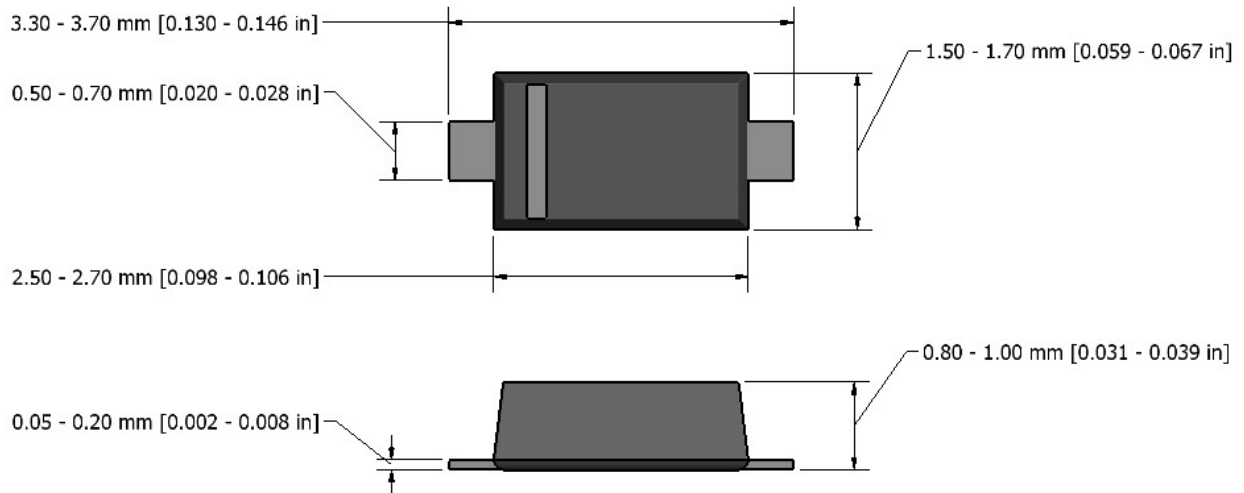
Forward Voltage vs Ambient Temperature



Reverse Current vs Reverse Voltage



SOD-123 Package Outline



NOTE: The above package outline is similar to JEITA SC-90.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Schottky Diodes & Rectifiers](#) category:

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

Other Similar products are found below :

[CUS06\(TE85L,Q,M\)](#) [MA4E2039](#) [D1FH3-5063](#) [MBR0530L-TP](#) [MBR10100CT-BP](#) [MBR30H100MFST1G](#) [MMBD301M3T5G](#) [PMAD1103-LF](#) [PMAD1108-LF](#) [RB160M-50TR](#) [RB520S-30](#) [RB551V-30](#) [DD350N18K](#) [DZ435N40K](#) [DZ600N16K](#) [BAS16E6433HTMA1](#) [BAS 3010S-02LRH E6327](#) [BAT 54-02LRH E6327](#) [IDL02G65C5XUMA1](#) [NSR05F40QNXT5G](#) [NSVR05F40NXT5G](#) [JANS1N6640](#) [SB07-03C-TB-H](#) [SB1003M3-TL-W](#) [SBAT54CWT1G](#) [SBM30-03-TR-E](#) [SBS818-TL-E](#) [SK32A-LTP](#) [SK33A-TP](#) [SK34A-TP](#) [SK34B-TP](#) [SMD1200PL-TP](#) [ACDBN160-HF](#) [SS3003CH-TL-E](#) [STPS30S45CW](#) [PDS3100Q-7](#) [GA01SHT18](#) [CRS10I30A\(TE85L,QM\)](#) [MBR1240MFST1G](#) [MBRB30H30CT-1G](#) [BAS28E6433HTMA1](#) [BAS 70-02L E6327](#) [HSB123JTR-E](#) [JANTX1N5712-1](#) [VS-STPS40L45CW-N3](#) [DD350N12K](#) [SB007-03C-TB-E](#) [SB10015M-TL-E](#) [SB1003M3-TL-E](#) [SK110-LTP](#)