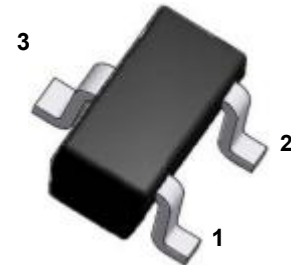


Plastic Package Fast Switching Diode

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P _D	Power Dissipation	225	mW
T _{STG}	Storage Temperature Range	-55 to +150	°C
T _J	Operating Junction Temperature	+150	°C
V _R	Reverse Voltage	70	V
I _{FO}	Forward Current	200	mA

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

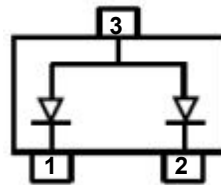


SOT-23

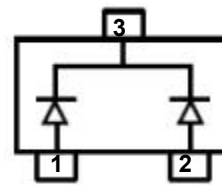
Specification Features:

- ③ Fast Switching Device
- ③ General Purpose Diodes
- ③ RoHS Compliant
- ③ Matte Tin(Sn) Lead Finish

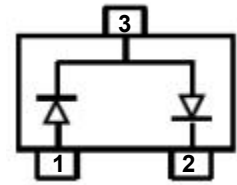
Electrical Symbol & Marking Codes:



BAW56
Marking: A1



BAV70
Marking: A4

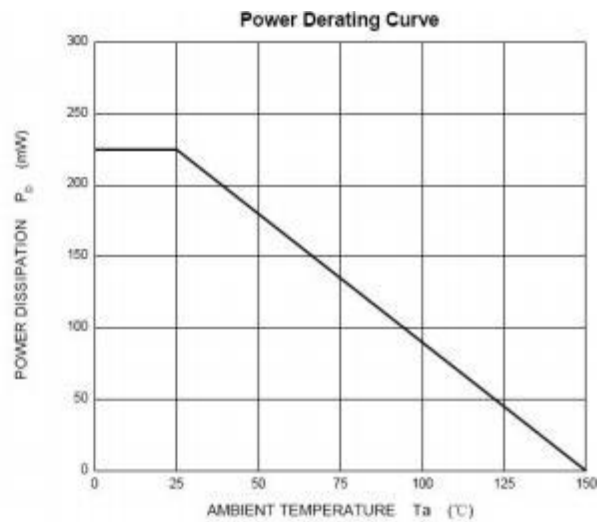
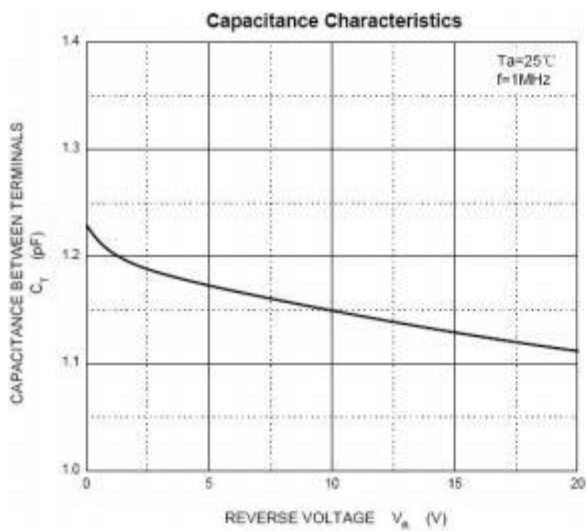
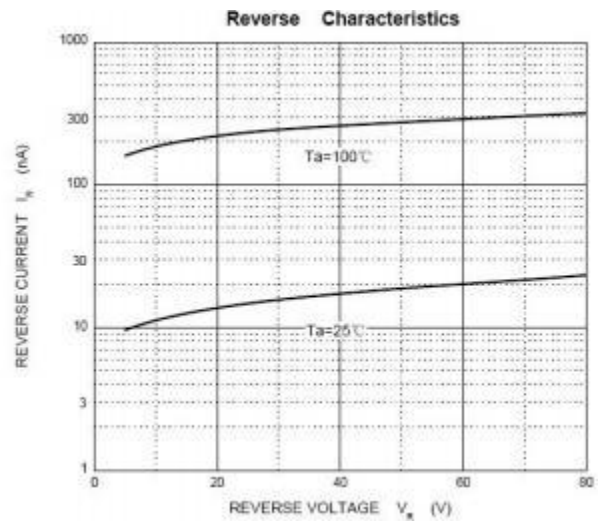
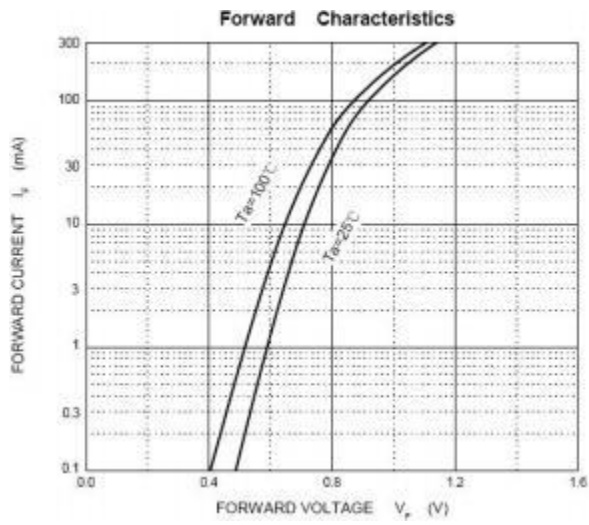


BAV99
Marking: A7

Electrical Characteristics T_A = 25°C unless otherwise noted

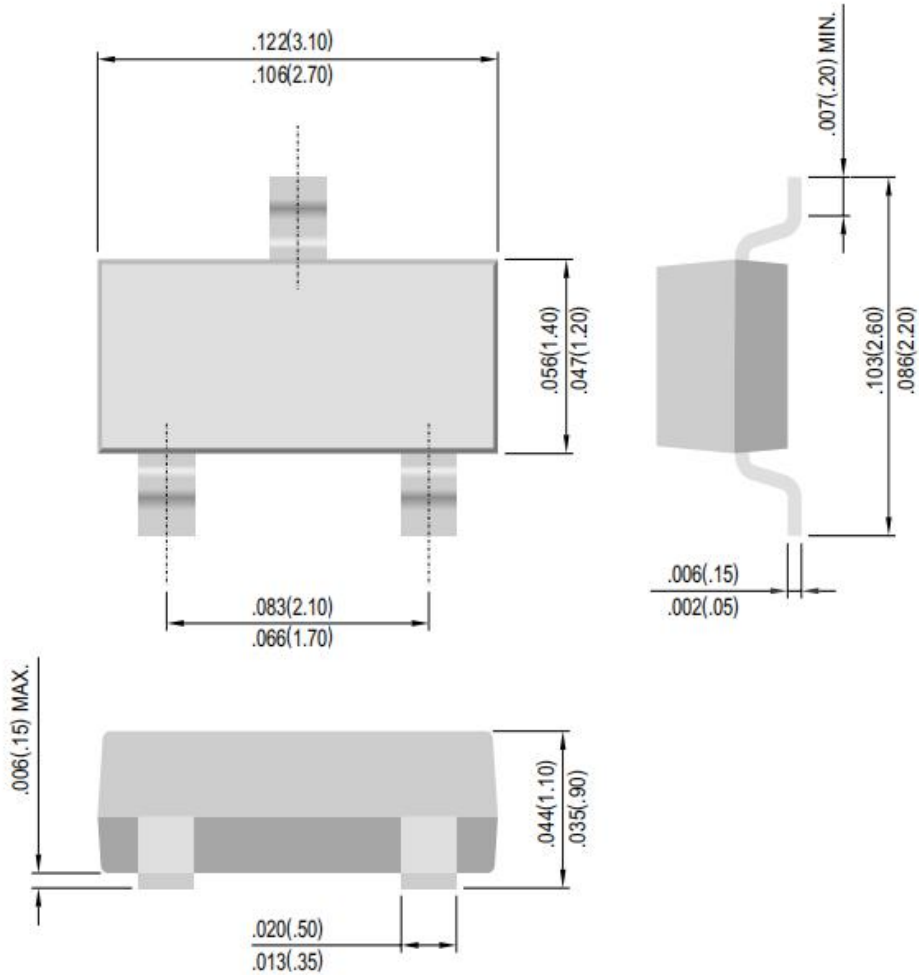
Symbol	Parameter	Test Condition	Limits			Unit
			Min	Typical	Max	
V _{BRJ}	Reverse Breakdown Voltage	I _R =100μA	70			Volts
I _R	Reverse Leakage Current	V _R =70V			2.5	μA
V _F	Forward Voltage	I _F =1mA I _F =10mA I _F =50mA I _F =150mA			0.715 0.855 1.00 1.25	Volts
C _D	Diode Capacitance	V _R =0V, f=1MHz		1.5	4	pF
T _{rr}	Reverse Recovery Time	I _F = I _R = 10mA I _{RR} =0.1x I _R , R _L =100Ω			6	ns

Typical Characteristics



OUTLINE DRAWING

SOT-23



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[SHN2D02FUTW1T1G](#) [LS4151GS08](#) [1N4449](#) [1N456A](#) [1N4934-E3/73](#) [1N914BTR](#) [RFUH20TB3S](#) [D291S45T](#) [BAV300-TR](#) [BAW56DWQ-](#)
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[BYW95B/A52A](#) [NSVDAN222T1G](#) [CDSZC01100-HF](#) [LL4150-M-08](#) [1N4454-TR](#) [BAV70HDW-7](#) [BAS28-7](#) [JANTX1N6640](#) [BAW56HDW-](#)
[13](#) [BAS28 TR](#) [VS-HFA04SD60STR-M3](#) [NSVM1MA152WKT1G](#) [1SS388-TP](#) [RGP30D-E3/73](#) [VS-8EWF02S-M3](#) [BAV99TQ-13-F](#)
[BAV99HDW-13](#) [MMDB30-E28X](#) [IDP20C65D2XKSA1](#) [LS4148](#) [IDV15E65D2](#) [NSVM1MA152WAT1G](#)