

PRIMARY CHARACTERISTICS

V_{RM}	100V
I_F	250mA
$V_F@I_F=50mA$	1V
$T_{J,Max}$	150°C

SOD-323S PACKAGE

Marking : T4



FEATURES

- Fast switching diode
- Moisture Sensitivity Level 1

MECHANICAL DATA

- Case : Molded plastic,SOD-323S
- Polarity : Shown above
- Terminals :Plated terminals, solderable per MIL-STD-750,Method 2026
- Epoxy : UL94-V0 rated flame retardant

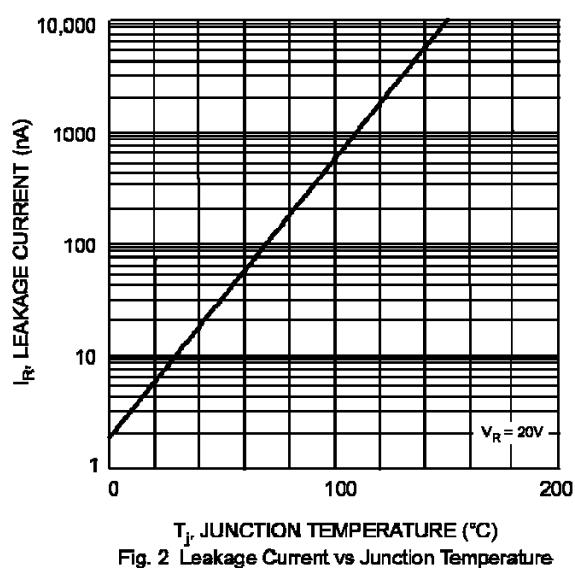
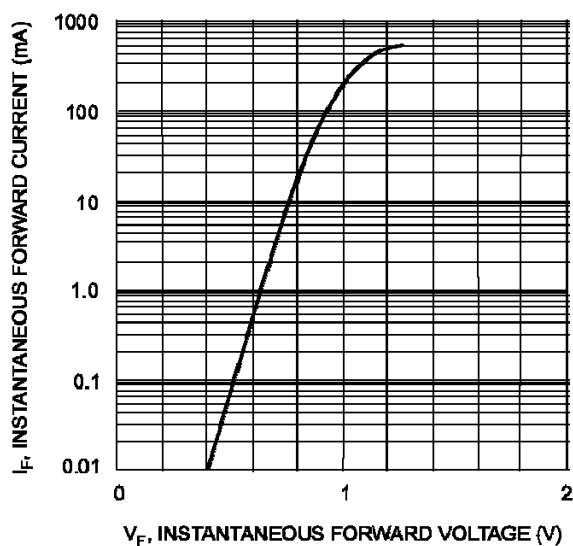
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	75	V
Peak Reverse Voltage	V_{RM}	100	V
Forward Current (Continuous)	I_F	250	mA
Non-repetitive Peak Forward Surge Current at t = 1 s at t = 1 ms at t = 1 μ s	I_{FSM}	0.5 1 2	A
Power Dissipation	P_{tot}	200	mW
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{stg}	- 65 to + 150	°C



Characteristics at T_a = 25 °C

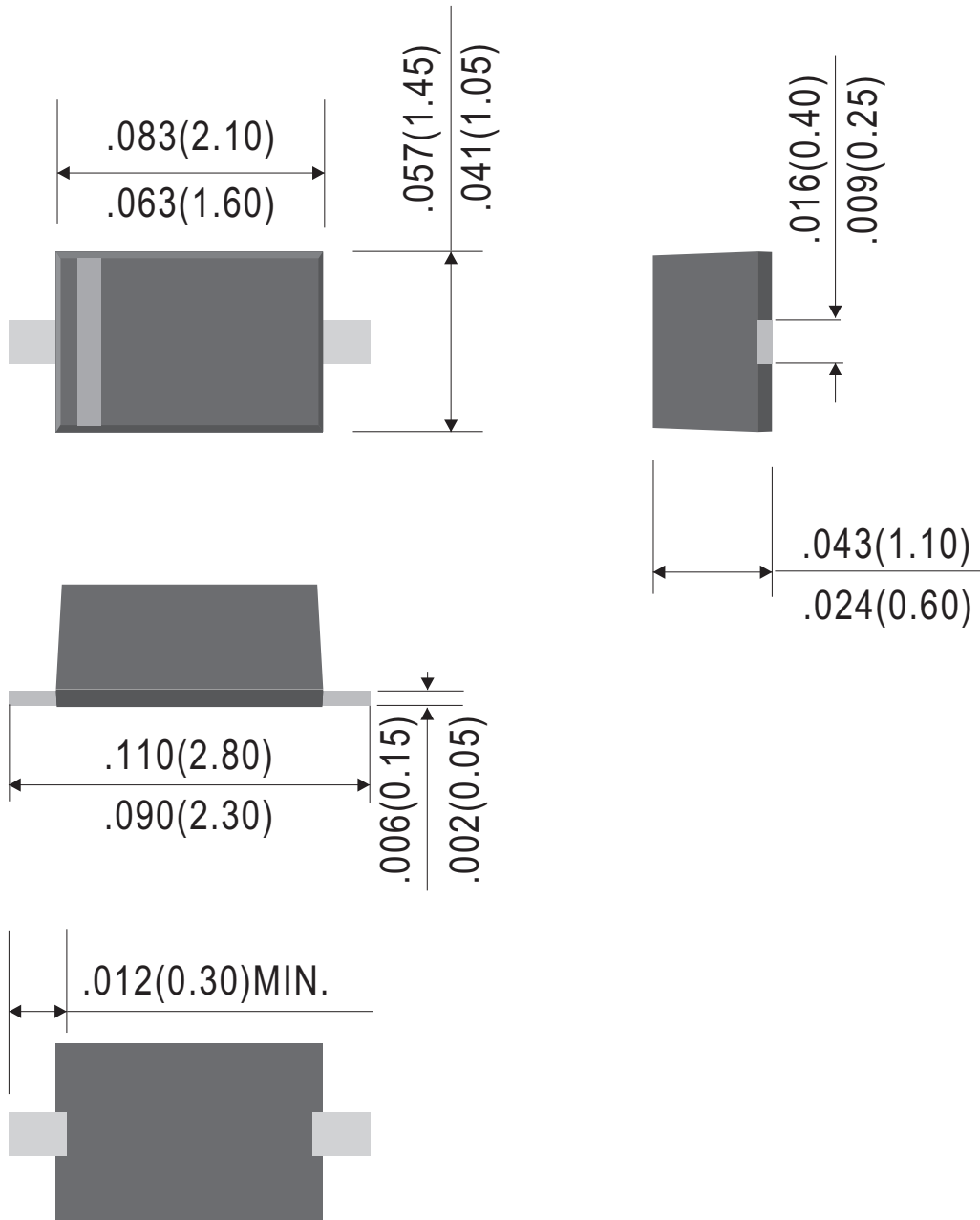
Parameter	Symbol	Max.	Unit
Forward Voltage at I _F = 1 mA at I _F = 10 mA at I _F = 50 mA at I _F = 150 mA	V _F	0.715 0.855 1 1.25	V
Reverse Leakage Current at V _R = 75 V at V _R = 25 V, T _J = 150 °C at V _R = 75 V, T _J = 150 °C	I _R	1 30 50	μA
Diode Capacitance at V _R = 0 V, f = 1 MHz	C _{tot}	2	pF
Reverse Recovery Time at I _F = 10 mA to I _R = 10 mA, I _R = 1 mA, R _L = 100 Ω	t _{rr}	6	ns





Outline Drawing

SOD-323S



Dimensions in inches and (millimeters)

Rev.D

Ordering Information:

Device PN	Packing
BAS16WS -T ⁽¹⁾ H ⁽²⁾ -WS	Tape&Reel: 3 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) Halogen free product for packing code suffix "H"

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