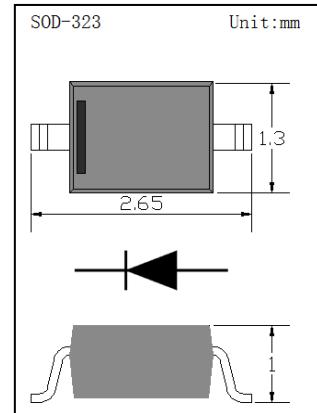


Switching Diode

- ◊ General purpose diodes
- ◊ Fast switching devices
- ◊ **SOD323 Thin SMD package**
- ◊ RoHS compliant / Green EMC
- ◊ Matte Tin (Sn) Lead finish
- ◊ Cathode Band / Device marking
- ◊ Weight: 4.6 mg(approximate)

Device Marking Code	
BAS416	D3


Absolute Maximum Ratings (Ta = 25 °C)

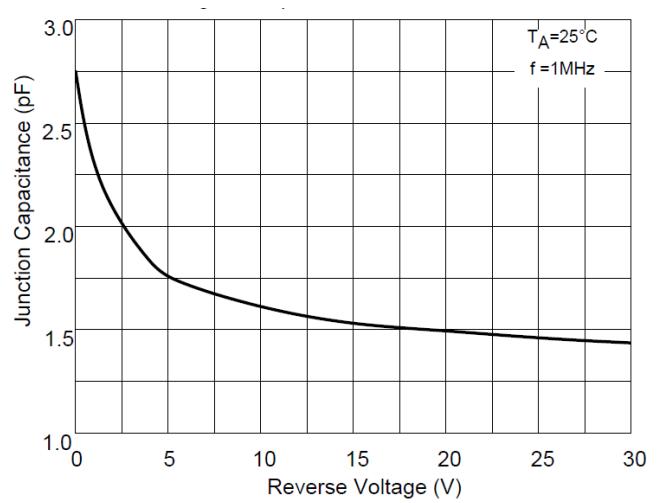
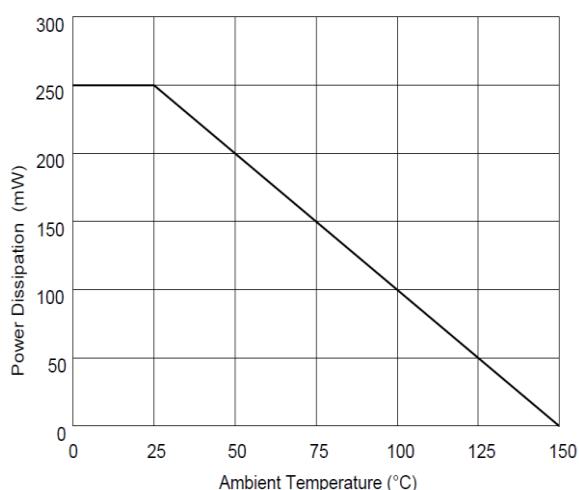
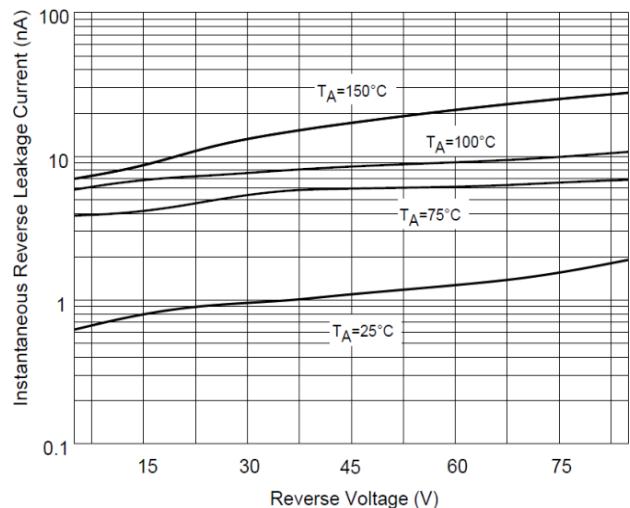
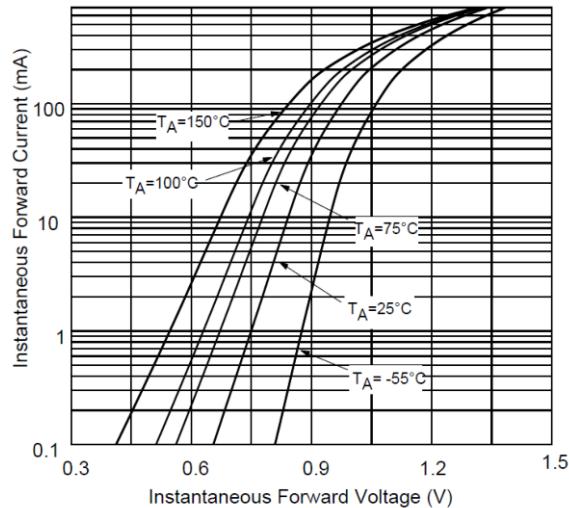
Symbol	Parameter	Value	Units
V_{RMS}	RMS Reverse Voltage $V_{R(RMS)}$	71	V
V_{RRM}	Repetitive Peak Reverse Voltage	100	V
I_{FSM}	Non-Repetitive Peak Forward Current t=1 μ s	4	A
I_F	Continuous Forward Current	200	mA
P_D	Power Dissipation	250	mW
T_J	Junction Temperature	150	°C
T_{STG}	Storage Temperature	-55 to +150	°C

*1 Pulse width = 1 μ s

Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Max	Units
BV_R	Breakdown Voltage	$I_R = 100 \mu A$	100		V
I_R	Reverse Current	$V_R = 75V$ $V_R = 75V, T_J=150°C$		5 80	nA
V_F	Forward Voltage	$I_F = 1mA$ $I_F = 10mA$ $I_F = 50mA$ $I_F = 150mA$		0.9 1 1.1 1.25	V
C	Capacitance	$V_R = 0V, f = 1MHz$		4	pF
t_{rr}	Reverse recovery time	$I_F = I_R = 10mA, I_{rr} = 0.1 \times I_R$		3	us

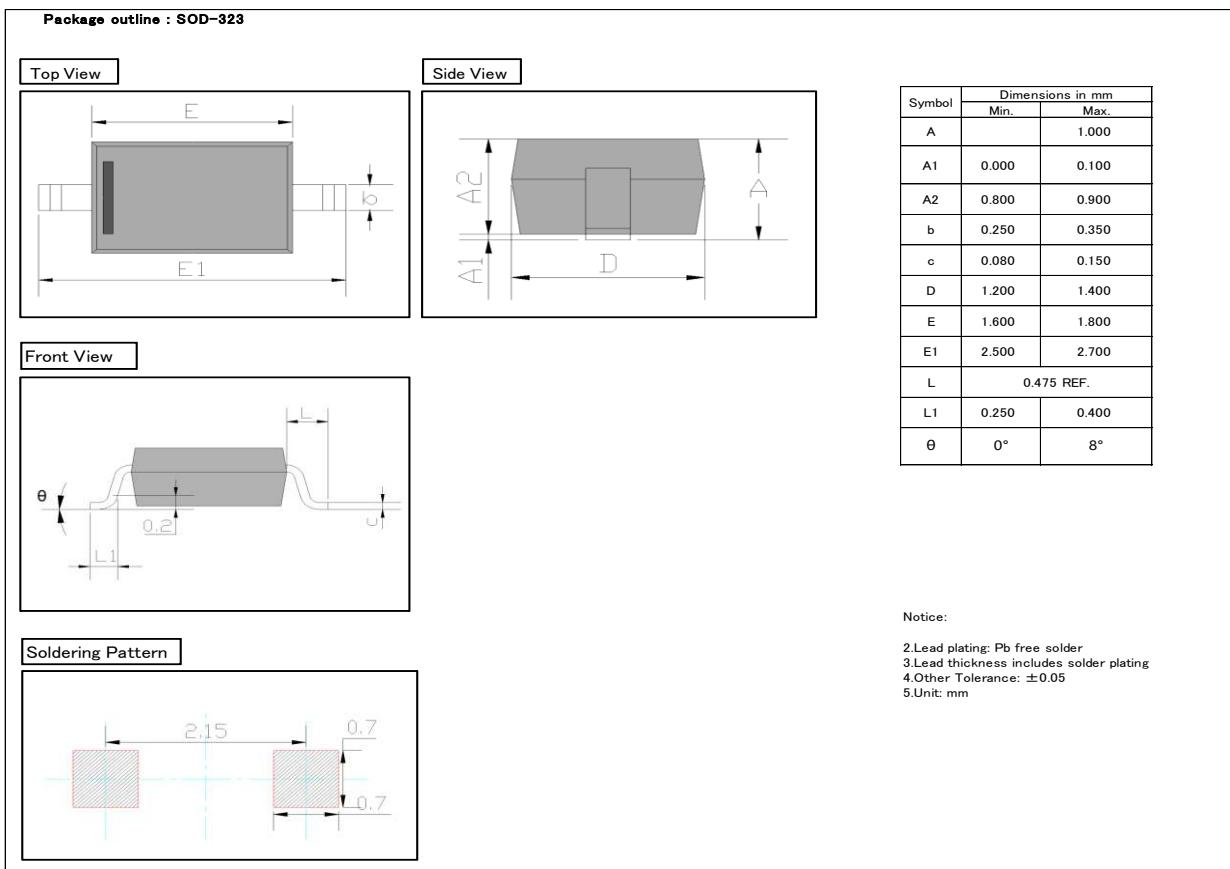
RATING AND CHARACTERISTICS CURVES (BAS416)



Ordering Information

Package	Package Code	Shipping	Tape wide	Emboss pitch	Tape specification
SOD323	-T	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive

Package Dimensions



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