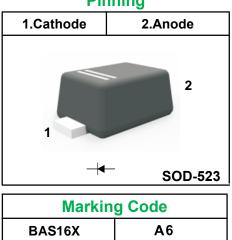


BAS16X SOD-523

Plastic-Encapsulate Diodes

Swithching Diode

Pinning



Features

- High-Speed Switching Applications
- Lead Finish: 100% Matte Sn(Tin)
- ➤Qualified Reflow Temperature: 260°C
- ≻Extremely Small SOD-523 Package

Maximum Ratings And Electrical Characteristics, Single Diode Ta = 25°C

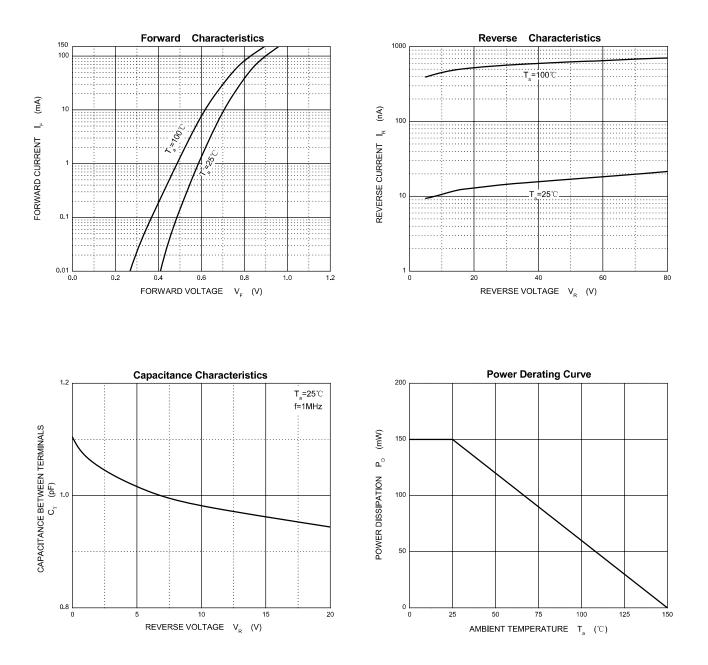
Parameter	Symbol	Limit	Unit
DC Reverse Voltage	V _R	75	V
Forward Current	IF	200	mA
Pak Forward Surge Current	FM(surge)	500	mA
Total Device Dissipation	PD	150	mW
Thermal Resistance Junction to Ambient	R _{0JA}	833	°C/W
Junction and Storage Temperature	T _j ,T _{stg}	150	°C

Electrical Ratings Ta = 25℃

Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Reverse breakdown voltage	V _(BR)	75				I _R =100uA
Forward voltage	V _{F1}			715	mV	I _F =1mA
	V _{F2}			855		I _F =10mA
	V _{F3}			1000		I⊧=50mA
	V _{F4}			1250		I _F =150mA
Reverse recovery Time	t _{rr}			6.0	ns	$I_F=I_R=10$ mAdc,RL=50 Ω
Reverse current	I _R			1.0	μA	V _R =75V
Forward recovery voltage	V _{FR}			1.75	V	I _F =10mA, t _r = 20ns
Diode capacitance	CD			2.0	pF	V _R =0V,f=1MHz
Stored charge	Qs			45	рС	I_F =10mA, V_R =5.0V , R_L =500 Ω



BAS16X SOD-523



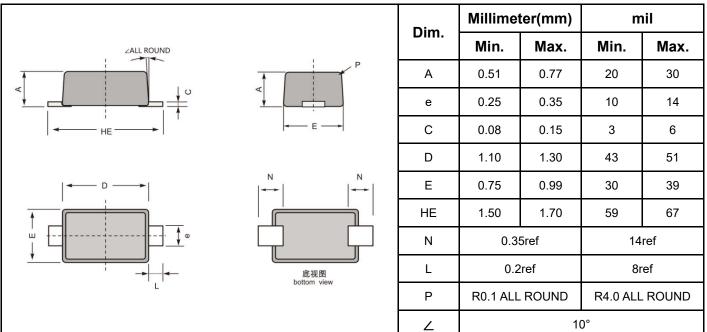


Ordering information

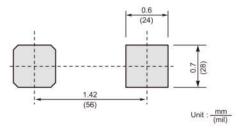
Package	Packing Description	Packing Quantity	
SOD-523	Tape/Reel,7"reel	3000PCS/Reel 120000PCS/Carton	

Package Dimensions

SOD-523



The recommended mounting pad size





Disclaimer

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