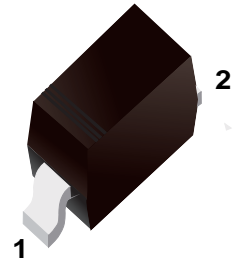


■ High Speed Switching Diode

FEATURES

- High Voltage



■ Simplified outline(SOD-323)

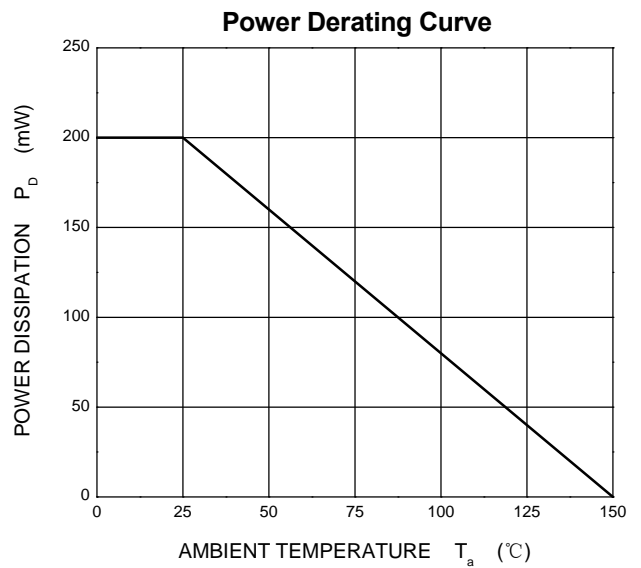
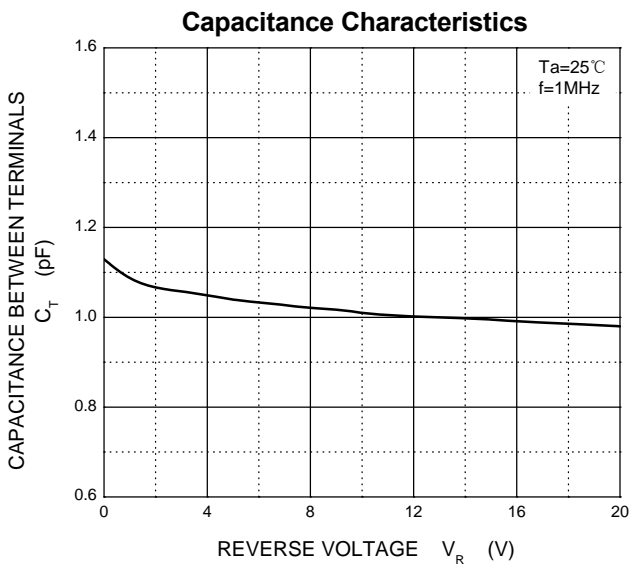
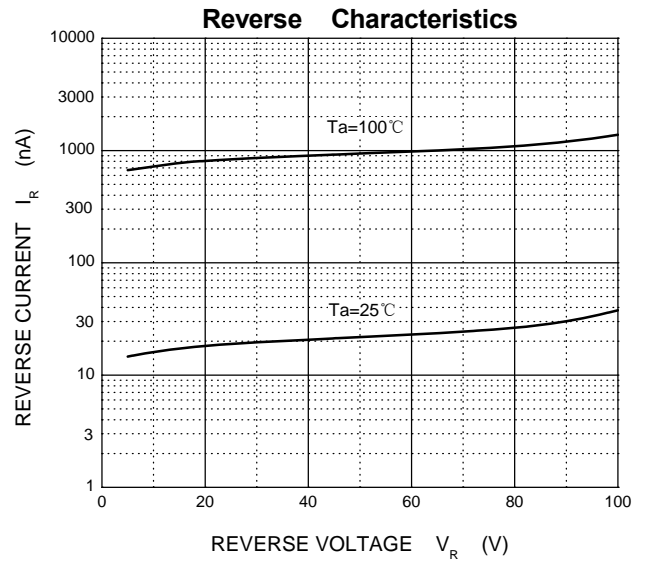
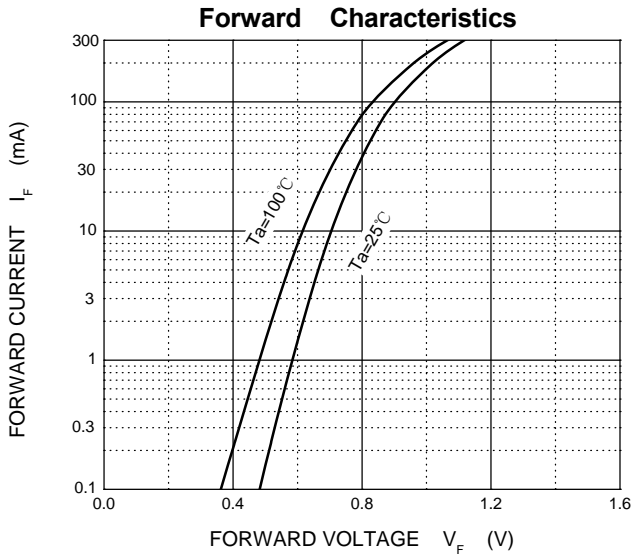


MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{RRM}	Maximum Repetitive Reverse Voltage	100	V
I _O	Forward Current	0.2	A
I _{FSM}	Non-repetitive Peak Forward Surge Current @t= 8.3ms	2	
P _D	Power Dissipation	200	mW
R _{θJA}	Thermal Resistance from Junction to Ambient	500	°C/W
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature	-55~+150	°C

ELECTRICAL CHARACTERISTICS(T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	V _(BR)	I _R =100μA	100			V
Reverse current	I _R	V _R =20V			25	nA
		V _R =75V			5	μA
Forward voltage	V _F	I _F =10mA			1	V
Total capacitance	C _{tot}	V _R =0V,f=1MHz			4	pF
Reverse recovery time	t _{rr}	I _F = I _R =10mA, I _{rr} =0.1×I _R , R _L =100Ω			4	ns



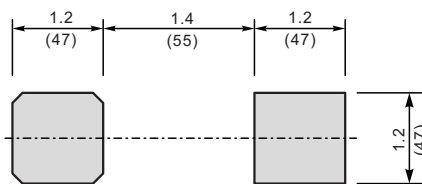
Package Outline SOD-323

Plastic surface mounted package; 2 leads



UNIT		A	C	D	E	E ₁	b	L ₁	A ₁	∠
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2	9°
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—	
mil	max	43	5.9	55	70	108	16	16	8	
	min	32	3.1	47	63	100	9.8	7.9	—	

The recommended mounting pad size



Unit: $\frac{\text{mm}}{\text{(mil)}}$

Summary of Packing Options

Package	Packing Description	Packing Quantity	Industry Standard
SOD-323	Tape/Reel, 7" reel	3000	EIA-481-1