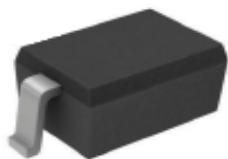


SOD-323



Marking: 5

Features

High Current Capability
Low Forward Voltage Drop
Halogen free and RoHS compliant

Mechanical Data

SOD-323 Small Outline Plastic Package
Polarity: Color band denotes cathode end
EpoxyUL: 94V-0
Mounting Position: Any

Maximum Ratings & Thermal Characteristics

(Ratings at 25°C ambient temperature unless otherwise specified.)

Parameters	Symbol	Limit	Unit
Peak reverse voltage	VRM	40	V
DC reverse voltage	VR	30	V
Mean rectifying current	Io	30	mA
Peak forward surge current 8.3 ms single half sine-wave	IFSM	200	mA
Power Dissipation	PD	200	mW
Junction Temperature	Tj	125	°C
Storage temperature range	TSTG	-55-+150	°C

Electrical Characteristics

(Ratings at 25°C ambient temperature unless otherwise specified.)

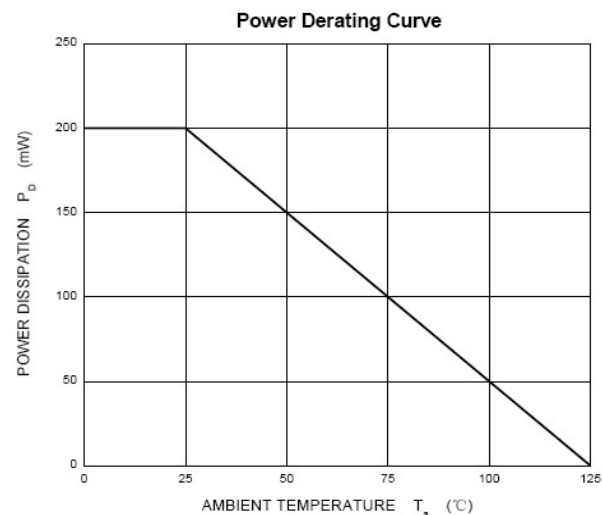
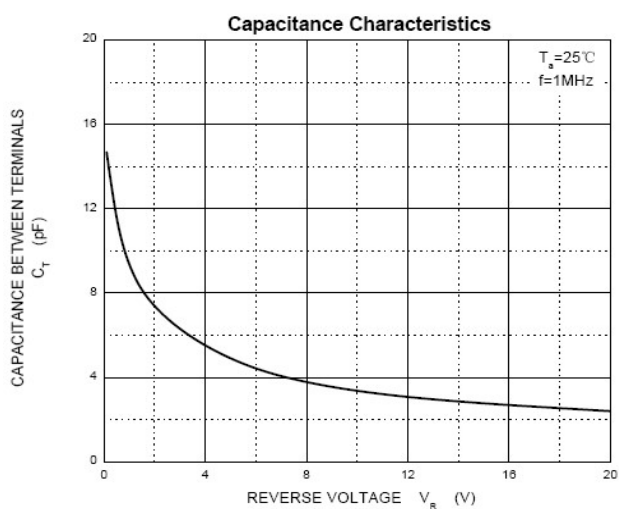
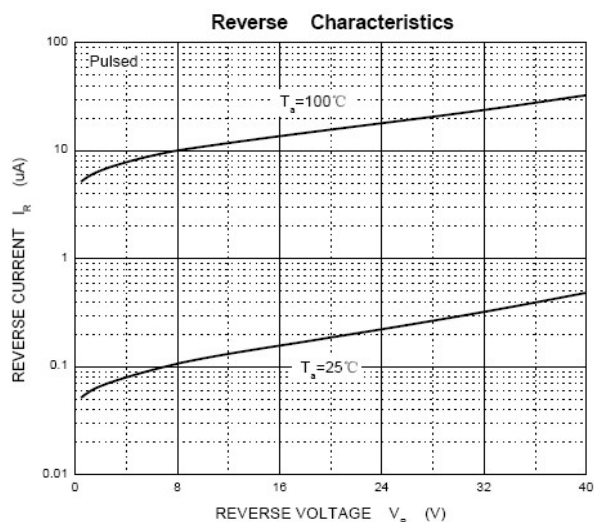
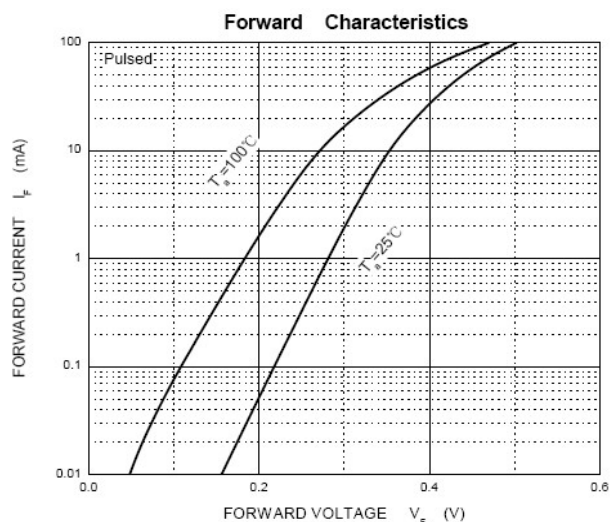
Parameters	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Maximum forward voltage	VF	IF = 1.0mA			0.37	V
Maximum reverse current	IR	VR=30V			0.5	uA
Capacitance between terminals	CT	VR=10V, f=1MHz		6		pF

Summary of Packing Options

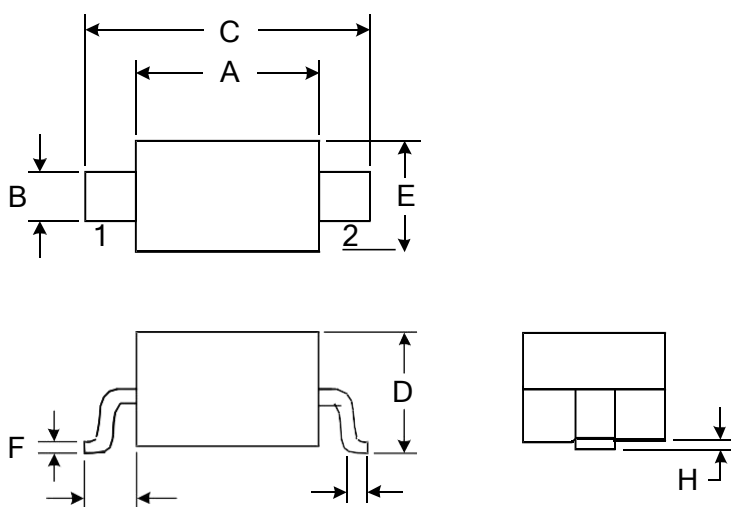
Package	Packing Description	Packing Quantity	Industry Standard
SOD-323	Tape/Reel, 7" reel	3000	EIA-481-1



Ratings and Characteristic Curves



Package Outline Dimensions: SOD-323



DIMENSIONS				
SYMBOL	MILLIMETER		INCHES	
	MIN	MAX	MIN	MAX
A	1.600	1.800	0.063	0.071
B	0.250	0.350	0.010	0.014
C	2.500	2.700	0.098	0.106
D		1.000		0.039
E	1.200	1.400	0.047	0.055
F	0.080	0.150	0.003	0.006
L	0.500 REF		0.020REF	
L1	0.250	0.400	0.010	0.016
H	0.000	0.100	0.000	0.004