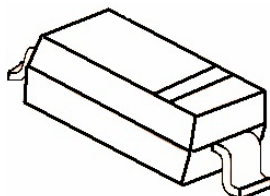




SOD-323



Features

- High Current Capability
- Low Forward Voltage Drop

Mechanical Data

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

Maximum Ratings & Thermal Characteristics

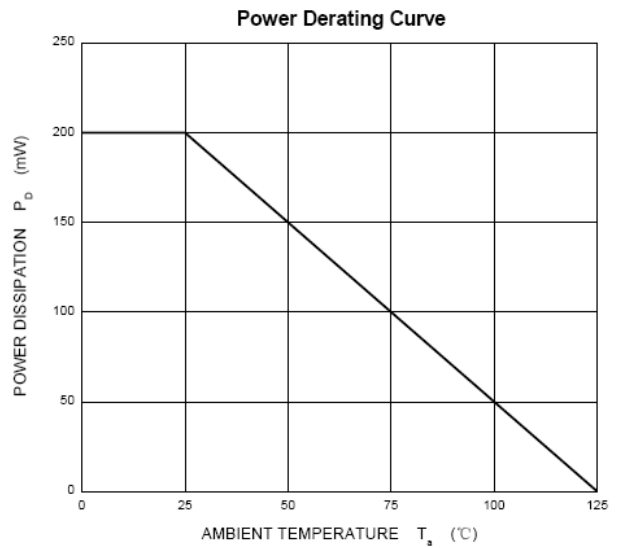
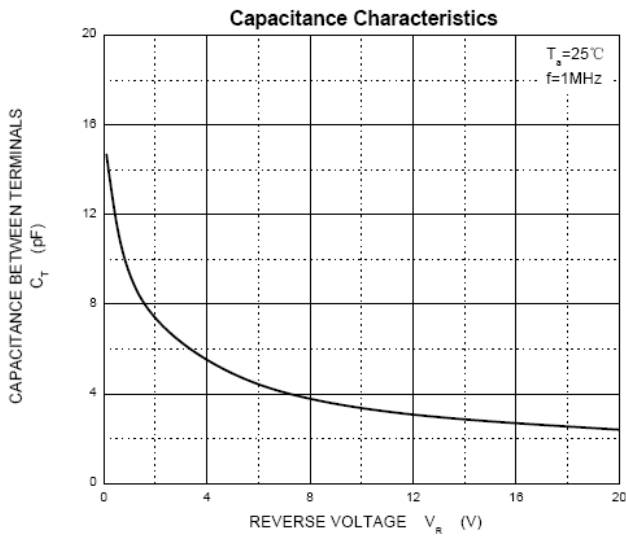
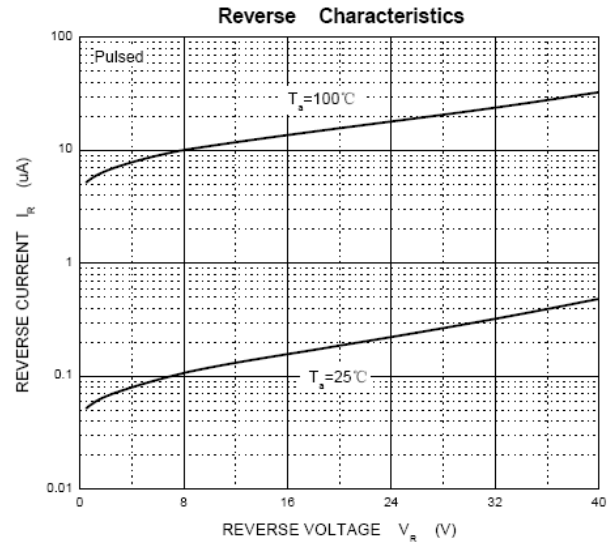
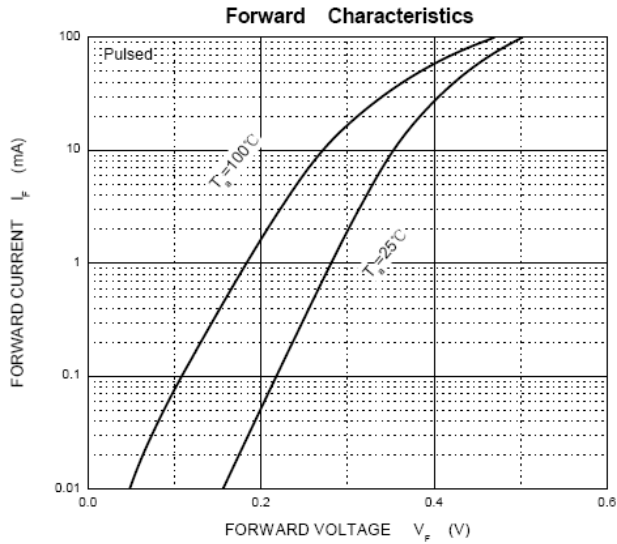
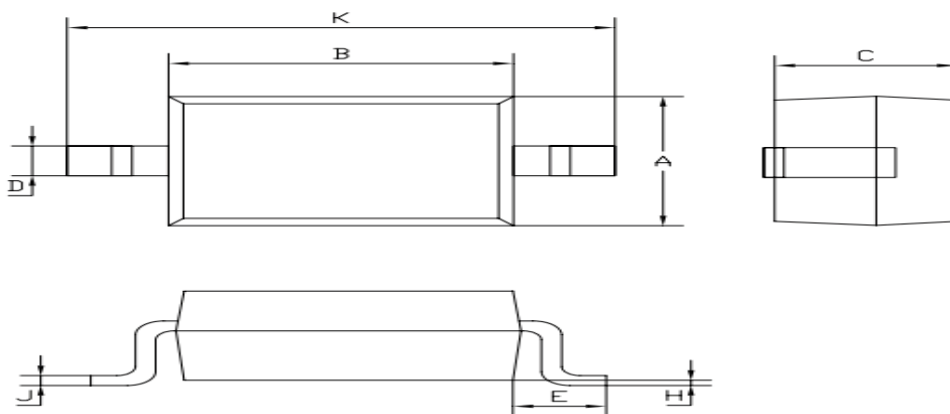
(Ratings at 25°C ambient temperature unless otherwise specified.)

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


SOD-323 PACKAGE OUTLINE Plastic surface mounted package


SOD-323		
Dim	Min	Max
A	1.275	1.325
B	1.675	1.725
C	0.9 Typical	
D	0.25	0.35
E	0.27	0.37
H	0.02	0.1
J	0.1 Typical	
K	2.6	2.7