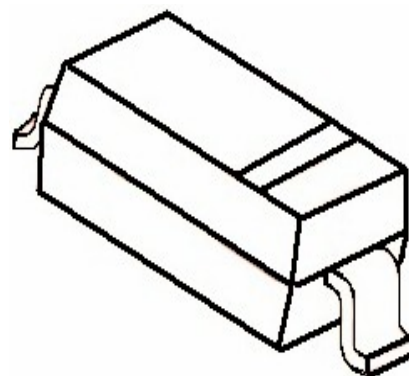


»Features

- Fast Switching Device
- Power Dissipation of 250mW
- High Stability and High Reliability
- Low reverse leakage

»General Description

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



SOD-323

»Absolute Maximum Ratings @T_A=25°C unless otherwise noted

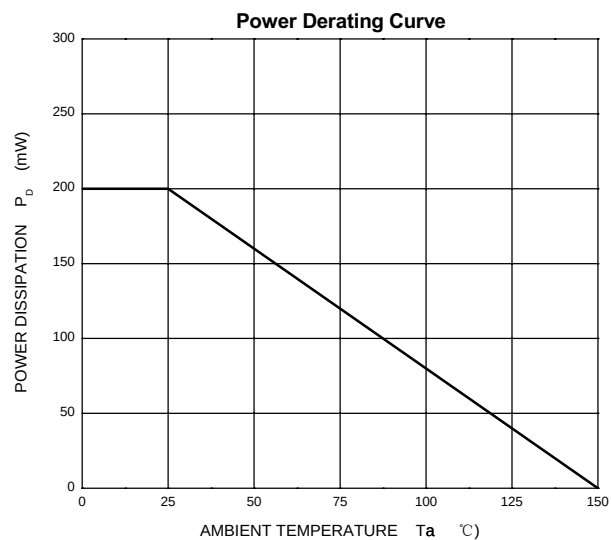
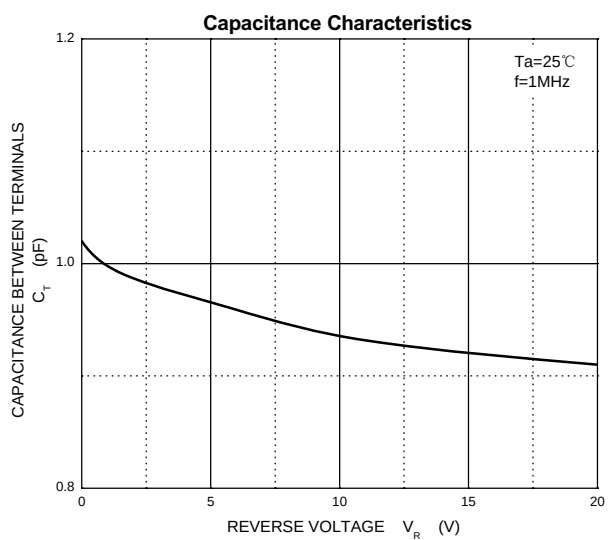
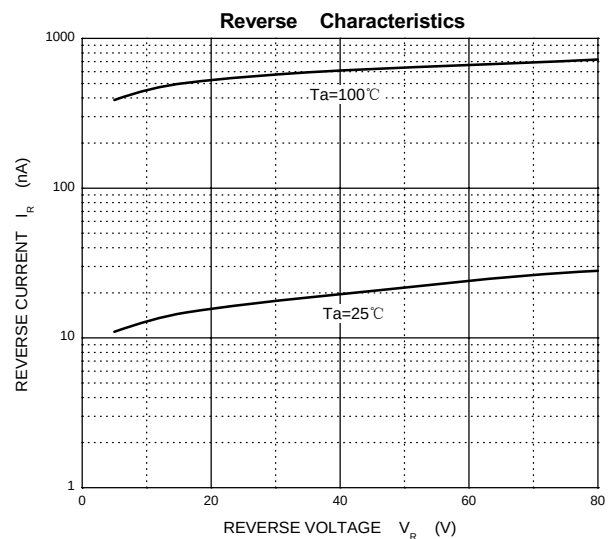
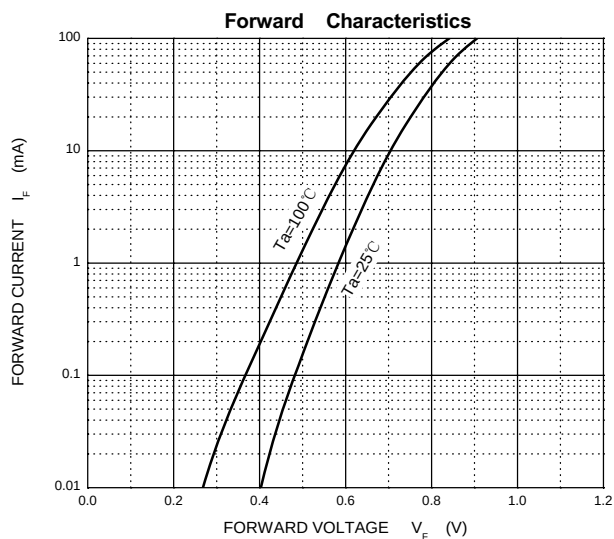
Parameters	Symbol	Value	Unit
Reverse Voltage	VR	80	V
Peak Reverse Voltage	VRM	90	V
Power Dissipation	Pd	250	mW
Operating junction temperature	Tj	150	°C
Storage temperature range	Ts	-55-+150	°C
Average Rectified Current	IO	100	mA
Non-repetitive Peak Forward Current	IFM	225	mA

Valid provided that electrodes are kept at ambient temperature.

» **Electrical Characteristics** @T_A=25°C unless otherwise noted

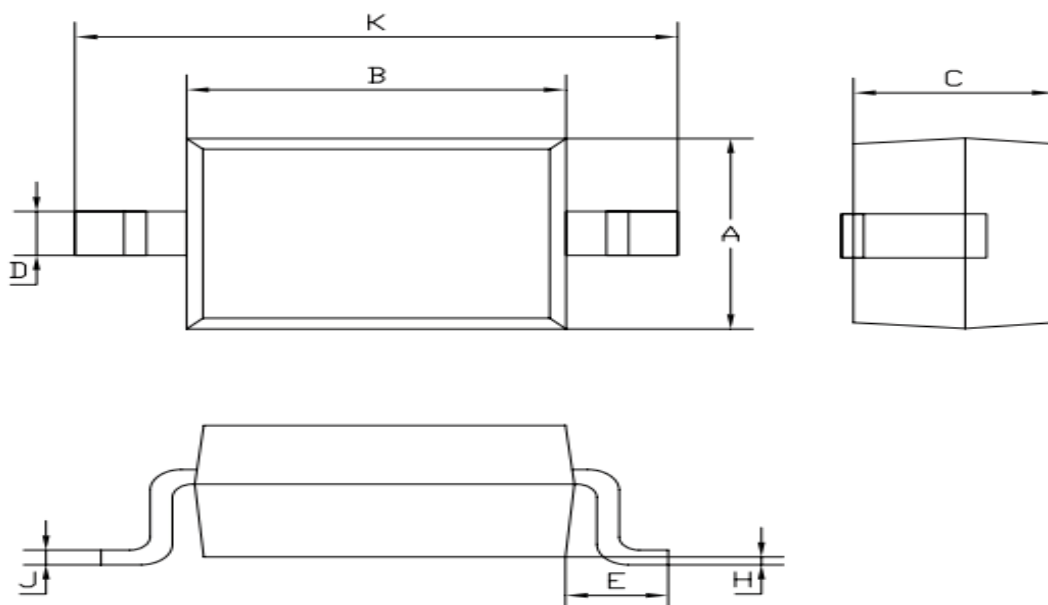
Symbols	Parameter	Test Condition	Limits		Unit
			Min	Max	
IR	Reverse Leakage Current	VR=80V	---	0.1	uA
	Reverse Leakage Current				
VF	Forward Voltage	IF=100mA	---	1.20	V
	Forward Voltage				
TRR	Reverse Recovery Time	IF= 10mA, VR=6V	---	4	nS
	Reverse Recovery Time	RL=100Ω			
C	Capacitance	VR=0.5V, f=1MHZ	---	3	pF
	Capacitance				

»Typical Performance Characteristics (T_J = 25 °C, unless otherwise noted)



»Package Information

SOD-323



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

»Ordering information

Order code	Package	Marking	Base qty	Delivery mode
1SS355	SOD-323	A	3K	Tape and reel