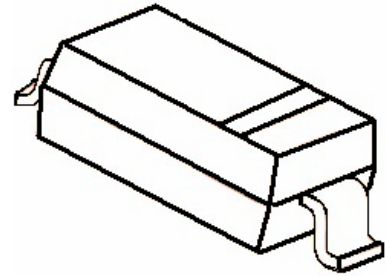


»Features

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability
- Epitaxial construction



SOD-323

»General Description

- Case: molded plastic
- Polarity: Color band denotes cathode
- Package: SOD-323 Plastic Package

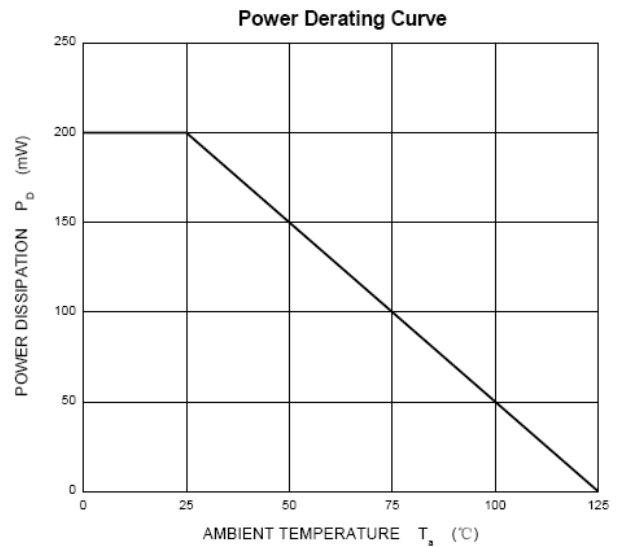
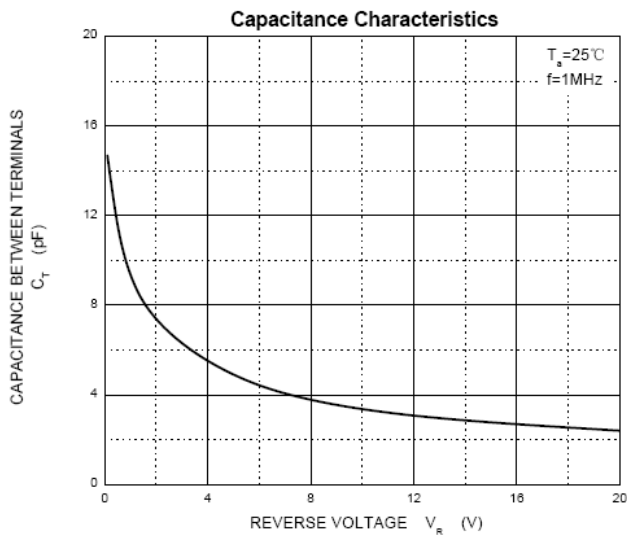
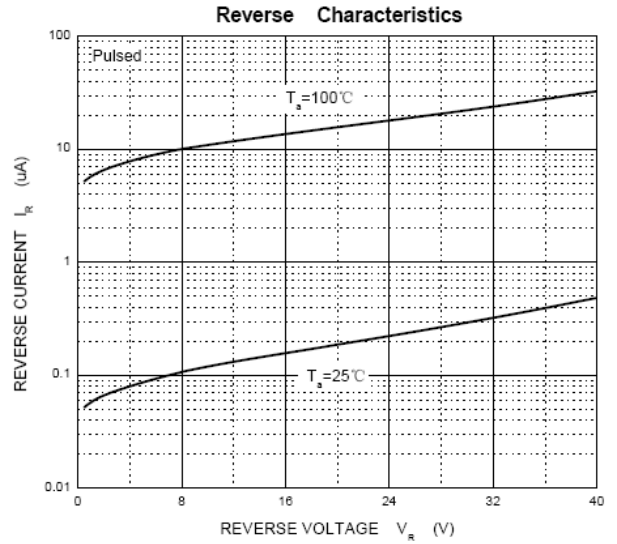
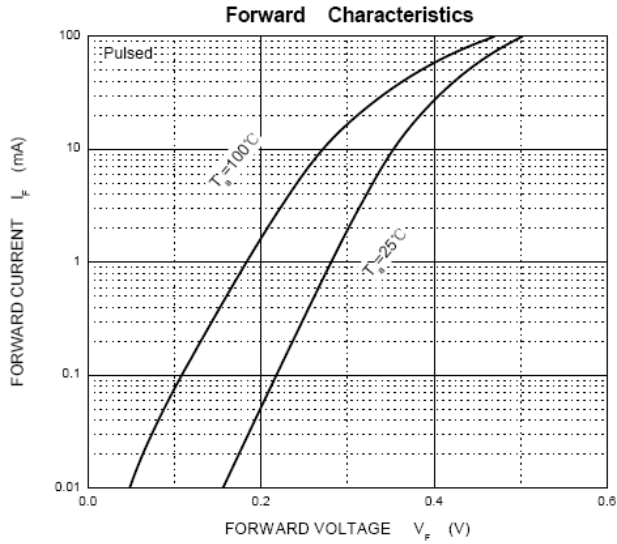
» Maximum Ratings @ $T_A=25^{\circ}\text{C}$ unless otherwise noted

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	$^{\circ}\text{C}$
Storage temperature range	TSTG	-55-+150	$^{\circ}\text{C}$

» **Electrical Characteristics** @ $T_A=25^{\circ}\text{C}$ unless otherwise noted

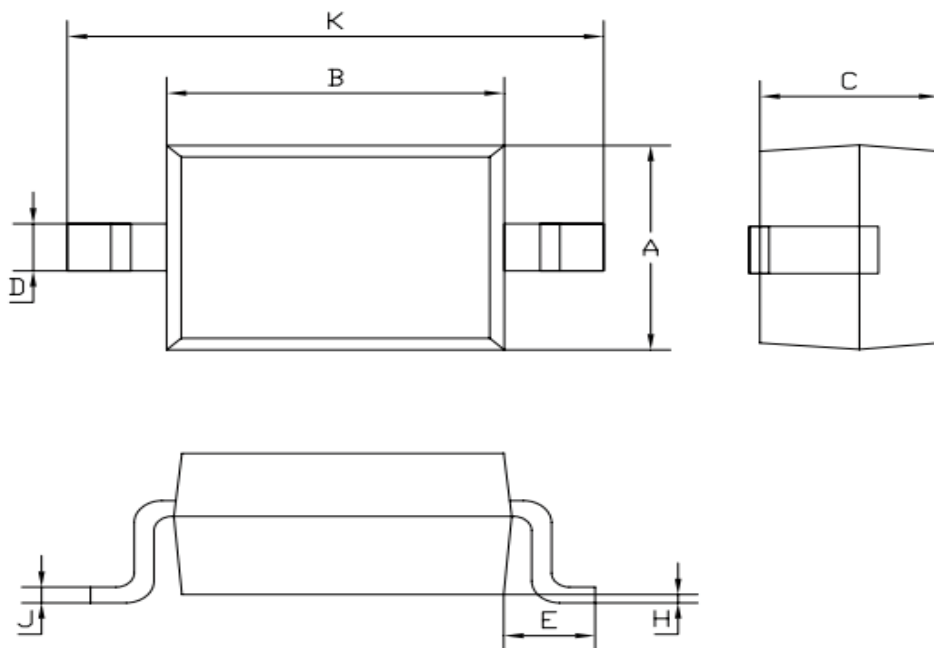
Parameters	Symbol	Test conditions	Min	Typ	Max	Unit
Maximum forward voltage	V _F	I _F = 1.0mA			0.37	V
Maximum reverse current	I _R	V _R =30V			2.0	uA
Capacitance between terminals	C _T	V _R =10V, f=1MHz		6		pF

»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
RB751VM-40	SOD-323	5	3K	Tape and reel