

SOD-323 Plastic-Encapsulate Schottky Barrier Diode

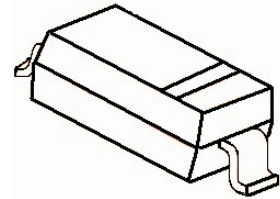
Features

- High Current Capability
- Low Forward Voltage Drop

Mechanical Data

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

SOD-323



Marking: 4

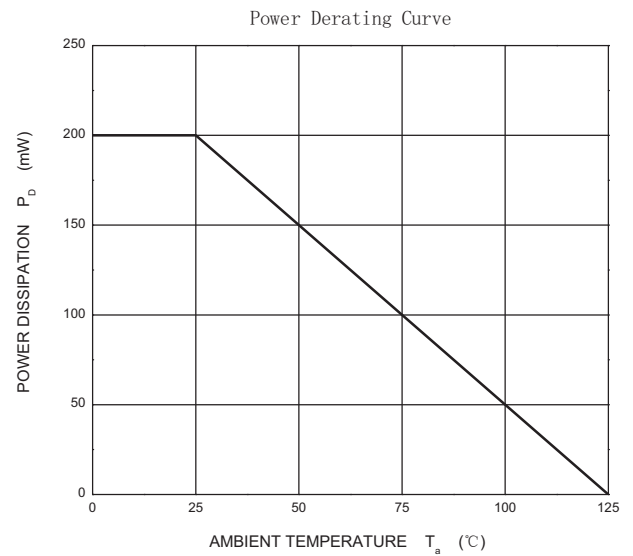
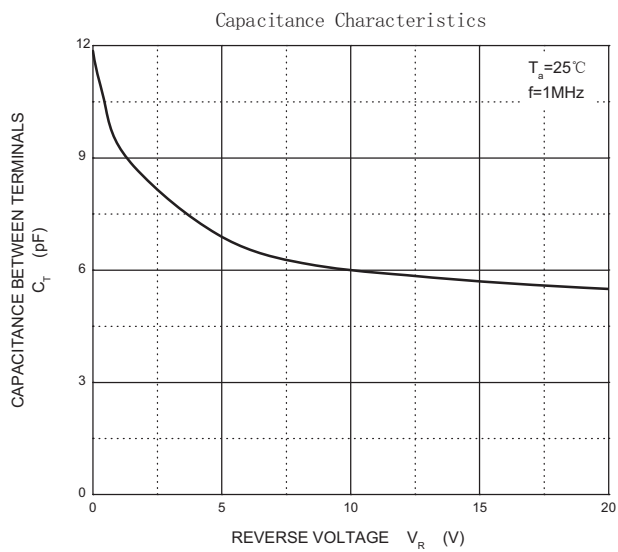
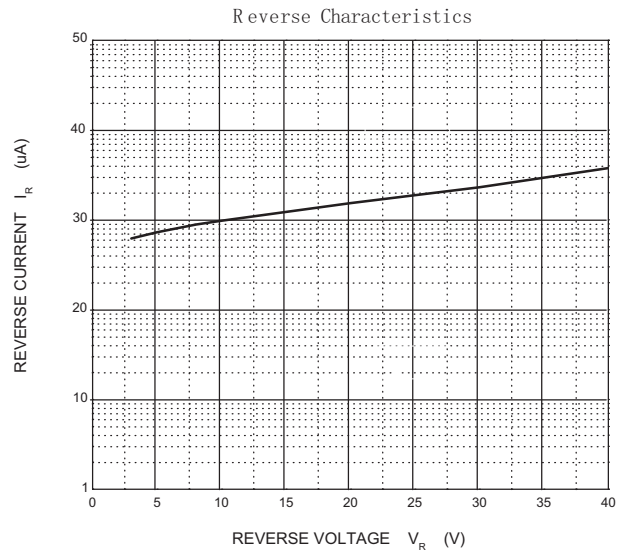
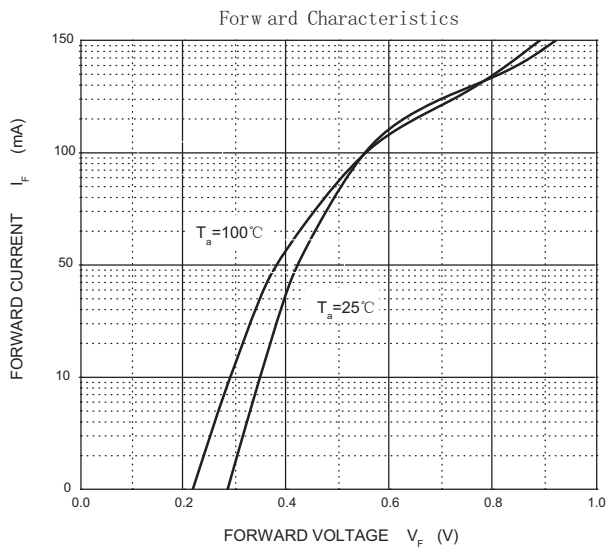
Maximum Ratings & Thermal Characteristics (Ratings at 25°C ambient temperature unless otherwise specified.)

Parameters	Symbol	Limit	Unit
Peak reverse voltage	VRM	45	V
DC reverse voltage	VR	40	V
Mean rectifying current	Io	0.1	A
Peak forward surge current 8.3 ms single half sine-wave	IFSM	1.0	A
Typical thermal resistance	RθJA	500	°C/W
Power Dissipation	PD	200	mW
Storage temperature range	TSTG	-40-+125	°C

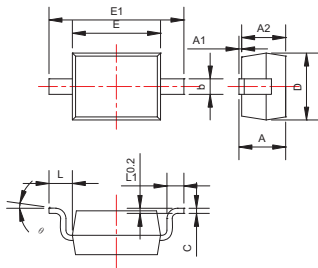
Electrical Characteristics (Ratings at 25°C ambient temperature unless otherwise specified.)

Parameters	Symbol	Test conditions	Min.	Typ.	Max.	Unit
Maximum forward voltage	VF	IF = 100mA			0.55	V
		IF = 10mA			0.34	
Maximum reverse current	IR	VR=10V			30	uA
Capacitance between terminals	CT	VR=10V, f=1MHz		6		pF

RATING AND CHARACTERISTICS CURVES (RB501V-40)



SOD-323 PACKAGE OUTLINE Plastic surface mounted package



SYMBOL	DIMENSIONS	
	MIN.	MAX.
A		1.000
A1	0.000	0.100
A2	0.800	0.900
b	0.250	0.350
c	0.080	0.150
D	1.200	1.400
E	1.600	1.800
E1	2.500	2.700
L	0.475REF	
L1	0.250	0.400
θ	0°	8°

REEL PACK

PACKAGE	PACKING CODE	EA PER REEL	EA PER INNER BOX	COMPONENT SPACE (mm)	TAPE SPACE (mm)	REEL DIA (mm)	CARTON SIZE (mm)	EA PER CARTON	GROSS WEIGHT(Kg)
SOD-323	-T	3,000	15,000	---	---	178	390*205*310	120,000	5.17

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