

RB501M3-40

Schottky Diode

FEATURE

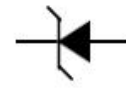
- Low Current Rectification
- Low Forward Voltage
- SOD323F Thin SMD package
- RoHS compliant / Green EMC
- Cathode Band / Device markin

MARKING: CF

SOD-323F



Schematic diagram



ABSOLUTE MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	VRRM	45	V
DC Blocking Voltage	VR	40	V
Continuous Forward Current	IO	100	mA
Non-Repetitive Peak Forward Current *1	IFSM	1	A
Power Dissipation	PD	200	mW
Junction Temperature	TJ	125	°C
Storage Temperature	TSTG	-55 to +125	°C

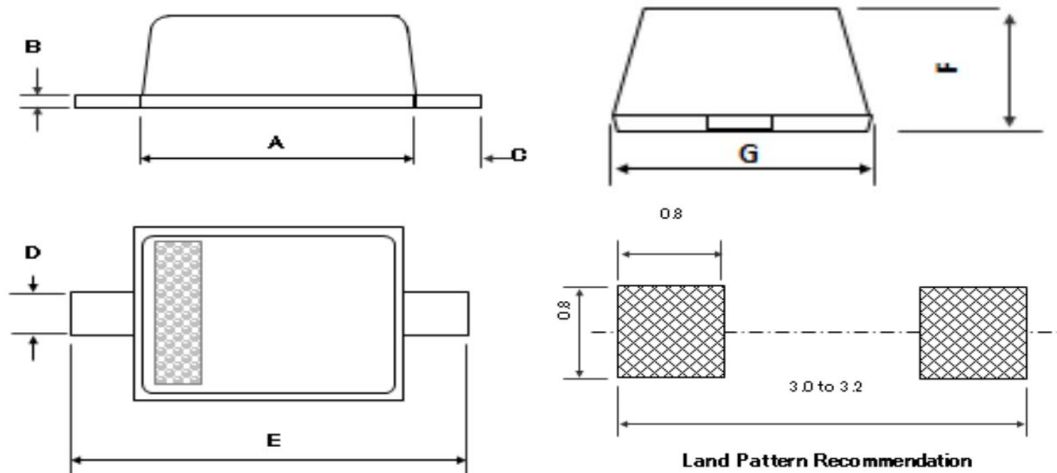
*1 8.3 ms single half Sine wave

ELECTRICAL CHARACTERISTICS(T_a=25°C unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Type	Max	Unit
Forward Voltage	V _F	I _F = 10mA			0.34	V
		I _F = 100mA			0.55	V
Reverse Current	I _R	V _R = 10V			30	μA
Capacitance	C	V _R = 10V, f = 1MHz		5		pF

SOD-323F Package Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
RB501M3-40	SOD323F	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive	



SOD323F * Package Outline

Symbol	Dimensions In Millimeters		
	Min	Typ	Max
A	1.600	-	1.800
B	0.06	-	0.21
C	0.30	-	0.50
D	0.25	-	0.40
E	2.30	-	2.70
F	0.60	-	0.75
G	1.15	-	1.35

1. Unit mm