

- ◇ Low Forward Voltage Schottky Rectifier
- ◇ SOD323F Thin SMD package (Fig-1)
- ◇ RoHS compliant / Green EMC
- ◇ Matte Tin (Sn) Lead finish
- ◇ Moisture Level Sensitivity 1
- ◇ Cathode Band / Device marking

Device Marking Code	
RB500M3-40	C4

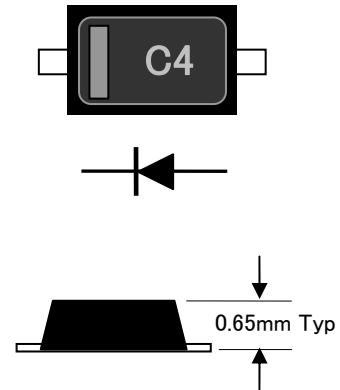


Fig.-1 Package SOD323F

Absolute Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
V_{RRM}	Repetitive Peak Reverse Voltage	45	V
V_R	DC Blocking Voltage	40	V
I_O	Continuous Forward Current	100	mA
I_{FSM}	Non-Repetitive Peak Forward Current *1	1	A
P_D	Power Dissipation	200	mW
T_J	Junction Temperature	125	°C
T_{STG}	Storage Temperature	-55 to +125	°C

*1 8.3 ms single half Sine wave

Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
V_F	Forward Voltage	$I_F = 10mA$			0.45	V
I_R	Reverse Current	$V_R = 10V$			1	μA
C	Capacitance	$V_R = 10V, f = 1MHz$		4		pF

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
RB500M3-40	SOD323F	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive	

Package Dimensions

