



- ◇ 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	
RB551M3-30	C1

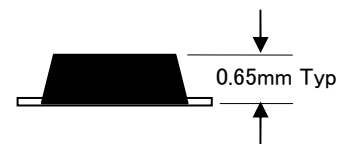


Fig.-1 Package SOD323F

Absolute Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
V_{RRM}	Repetitive Peak Reverse Voltage	30	V
V_R	DC Blocking Voltage	20	V
I_O	Continuous Forward Current	500	mA
I_{FSM}	Non-Repetitive Peak Forward Current *1	5	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	Max	Units
BV_R	Breakdown Voltage	$I_R = 500 \mu A$	30		V
I_R	Reverse Current	$V_R = 20V$		100	μA
V_F	Forward Voltage	$I_F = 100mA$		0.36	V
		$I_F = 500mA$		0.47	V



Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
RB551M3-30	SOD323F	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive	

Package Dimensions

