



- ◇ 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

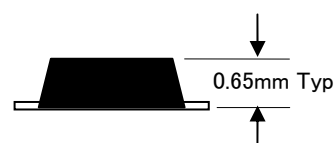


Fig.-1 Package SOD323F

Absolute Maximum Ratings ($T_a = 25\text{ }^{\circ}\text{C}$)

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	$^{\circ}\text{C}$
T_{STG}	Storage Temperature	-55 to +125	$^{\circ}\text{C}$

^{*1} 8.3 ms single half sine-wave

Electrical Characteristics ($T_a = 25\text{ }^{\circ}\text{C}$)

Symbol	Parameter	Conditions	Min	Max	Units
BV_R	Breakdown Voltage	$I_R = 500\text{ }\mu\text{A}$	30		V
I_R	Reverse Current	$V_R = 20\text{V}$		100	μA
V_F	Forward Voltage	$I_F = 100\text{mA}$		0.36	V
		$I_F = 500\text{mA}$		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

