





RB551M3-30 Schottky Diode



Features

- Low Forward Voltage Schottky Rectifier
- SOD323F Thin SMD package
- RoHS compliant
- UL 94 V-0 / Green EMC
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

Schematic & Pin Configuration



Mechanical Characteristics

Case: SOD-323F, Molded plastic

Matte Tin (Sn) Lead finish

Polarity: Cathode Band

Weight: 0.004 grams(approx)

Maximum Ratings @T_A=25°C unless otherwise specified

Characteristic	Symbol	Limits	Unit
Non- Repetitive Peak Reverse Voltage	V_{RM}	30	V
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	20	V
Continuous Forward Current	lo	500	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I _{FSM}	5	Α
Power Dissipation	P _D	200	mW
Junction and Storage Temperature Range	T _J , T _{STG}	-55 to +125	°C





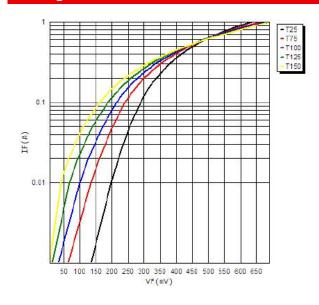


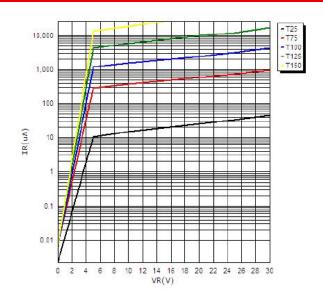
Electrical Characteristics @TA=25°C unless otherwise specified

Characteristic	Symbol	Min	Max	Units	Test Condition
Breakdown Voltage	V_{BR}	30	-	V	@I _R =500uA
Forward Voltage*	V _{FM}	-	0.36 0.47	V	@I _F =100mA @I _F =500mA
Reverse Leakage Current*	I _{RM}	-	100	uA	@V _R =20V

 $^{^*}$ Pulse width < 300 μ s, duty cycle < 2%

Ratings and Characteristics Curves



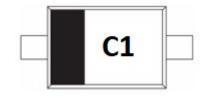


Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch
RB551M 3-30	SOD-323F	3000pcs / reel	8mm	4mm

For information on tape and reel specifications, including part orientation and tape sizes, please refer to our tape and reel packaging specification.

Marking Diagram



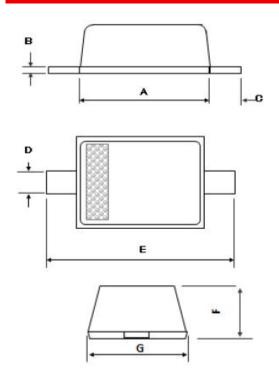
C1 = Marking Code





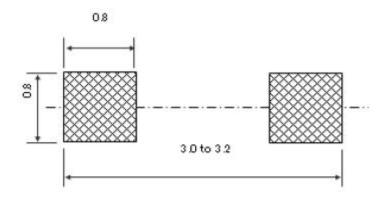


Mechanical Dimensions SOD-323F



SYMBOL	Millimeters			
	Min.	Max.		
А	1.60	1.80		
В	0.06	0.21		
С	0.30	0.50		
D	0.25	0.40		
E	2.30	2.70		
F	0.60	0.75		
G	1.15	1.35		

Land Pattern Recommendation SOD-323F (Millimeters)



Tolerance: ±0.05mm







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