



- ◇ 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	
SD103AM3	CA
SD103BM3	CB
SD103CM3	CC

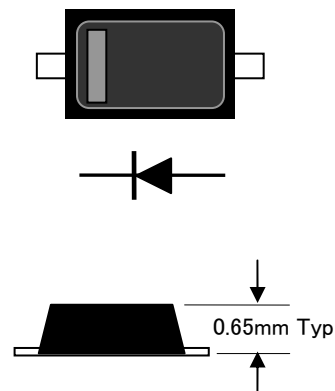


Fig.-1 Package **SOD323F**

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

Symbol	Parameter	Value			Units
		SD103AM3	SD103BM3	SD103CM3	
V_{RRM}	Repetitive Peak Reverse Voltage	40	30	20	V
V_R	Reverse Voltage	28	21	14	V
I_O	Continuous Forward Current	350			mA
I_{FSM}	Non-Repetitive Peak Forward Current ^{*1}	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	Typ	Max	Units
BV_R	Breakdown Voltage	SD103AM3 $I_R = 10\text{ }\mu\text{A}$	40			V
		SD103BM3 $I_R = 10\text{ }\mu\text{A}$	30			
		SD103CM3 $I_R = 10\text{ }\mu\text{A}$	20			
I_R	Reverse Current	SD103AM3 $V_R = 30\text{V}$			5	μA
		SD103BM3 $V_R = 20\text{V}$				
		SD103CM3 $V_R = 10\text{V}$				
V_F	Forward Voltage	$I_F = 20\text{mA}$			0.37	V
		$I_F = 200\text{mA}$			0.60	V
C	Capacitance	$V_R = 0\text{V}$, $f = 1\text{MHz}$		50		pF



Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
SD103AM3 SD103BM3 SD103CM3	SOD323F	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive	

Package Dimensions

