

DATA SHEET

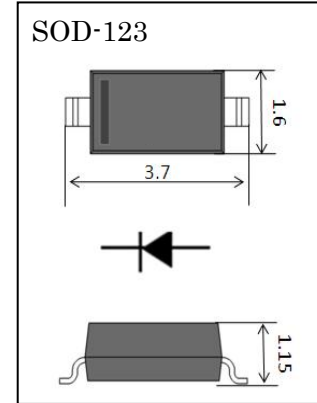
MBRX120LF

- ◇ Low Forward Voltage Schottky Rectifier
- ◇ RoHS compliant / Green EMC
- ◇ SOD123 Thin SMD package
- ◇ Matte Tin (Sn) Lead finish
- ◇ Cathode Band / Device marking

Device Marking Code

MBRX120LF

F02



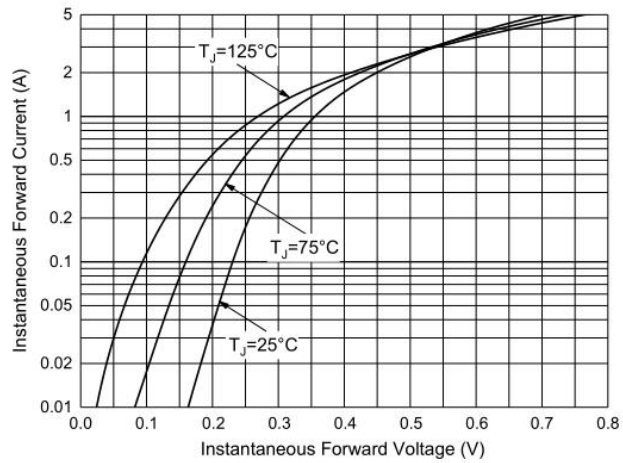
Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
V_{RRM}	Maximum Recurrent Peak Reverse Voltage	20	V
$V_{R(RMS)}$	RMS Reverse Voltage	14	V
I_{FM}	Forward Continuous Current	1	A
I_{FSM}	Repetitive Peak Forward Current (8.3 ms)	12	A
P_D	Power Dissipation Note	556	mW
T_J	Junction Temperature	125	°C
T_{STG}	Storage Temperature	-65 to +125	°C

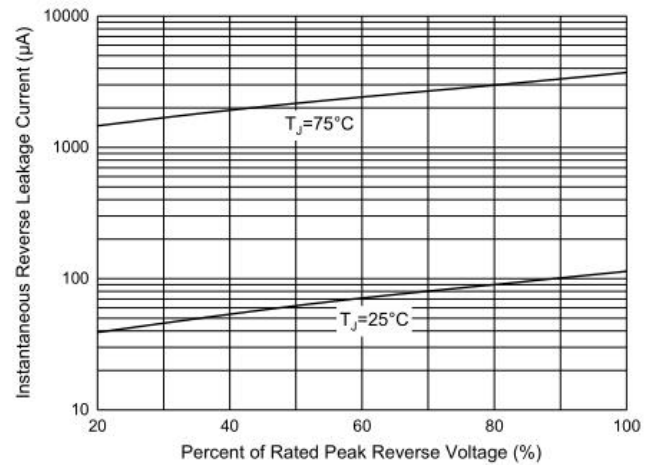
Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
V_{BR}	Reverse Breakdown Voltage	$I_R = 500 \mu A$	20			V
V_F	Forward Voltage	$I_F = 0.1 A$		0.2		V
		$I_F = 0.7 A$		0.3		
		$I_F = 1 A$		0.32	0.36	
I_R	Reverse Current	$V_R = 5 V$ $V_R = 20 V$		0.26	1	mA
C_T	Capacitance	$V_R = 10 V, f = 1 MHz$		75		pF

Typical Characteristics



Typical Instantaneous Forward Characteristics



Typical Reverse Leakage Characteristics

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
MBRX120LF	SOD123	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive	

Package Dimensions

