

- ◇ Low Forward Voltage Schottky Rectifier
- ◇ SOD123 Thin SMD package
- ◇ RoHS compliant / Green EMC
- ◇ Matte Tin (Sn) Lead finish
- ◇ Moisture Level Sensitivity 1
- ◇ Cathode Band / Device marking



Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
V_{RM}	Non-Repetitive Peak Reverse Voltage	40	V
V_{RRM}	Repetitive Peak Reverse Voltage	40	V
$V_{R(RMS)}$	RMS Reverse Voltage	28	V
I_O	Average Rectified Output Current	1	A
I_{FSM}	Non-Repetitive Peak Forward Surge Current	9	A
I_{FRM}	Repetitive Peak Forward Current	1.5	A
P_D	Power Dissipation	500	mW
T_J	Junction Temperature	125	°C
T_{STG}	Storage Temperature	-65 to +150	°C

Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Test Conditions	Min	Max	Units
V_F	Forward Voltage	$I_F=1A$		0.6	V
		$I_F=3A$		0.9	V
V_{BR}	Reverse breakdown voltage	$I_R=1mA$	40		V
I_R	Reverse voltage leakage current	$V_R=20V$		1	mA
C_D	Diode capacitance	$V_R=4V, f=1MHz$		120	pF

Package Dimensions

