

Features

SMA Package
Fast reverse recovery time

SP3S

3kv,40mA,100ns
High Voltage Diode

Device Electrical Characteristics

($T_a=25^\circ\text{C}$ Unless otherwise noted)

Items	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	3kv
Average Forward Current Maximum	$T_a=55^\circ\text{C}$	I_{FAVM}	40mA
Maximum Forward Voltage	$I_F=40\text{mA}$	V_{FM}	7Volts
Maximum Surge Current rating	10msec, half sine	I_{FSM}	1Amps
Maximum Reverse Current	$V_R=V_{RRM}$	I_{RM1}	$0.5\mu\text{A}$
Maximum High Temperature Reverse Current	$T_a=100^\circ\text{C}$, $V_R=V_{RRM}$	I_{RM2}	$5\mu\text{A}$
Maximum Reverse Recovery Time	$I_F=20\text{mA}$ $I_R=40\text{mA}$ $I_{RR}=10\text{mA}$	trr	100ns
Minimum Junction Temperature	—	T_j	120°C
Storage Temperature Range	—	T_{STG}	-40°C to 150°C

Mechanical Data

