

Features

SMA Package
Fast reverse recovery time

SP8S

8kv,10mA,100ns
High Voltage Diode

Device Electrical Characteristics

(Ta=25°C Unless otherwise noted)

Items	Conditions	Symbol	Value
Maximum RepetitivePeak Reverse Voltage		V_{RRM}	8kv
Average Forward Current Maximum	Ta=55°C	I_{FAVM}	10mA
Maximum Forward Voltage	$I_F=10mA$	V_{FM}	14Volts
Maximum Surge Current rating	10msec, half sine	I_{FSM}	0.5Amps
Maximum Reverse Current	$V_R= V_{RRM}$	I_{RM1}	0.5μA
Maximum High Temperature Reverse Current	Ta=100°C, $V_R= V_{RRM}$	I_{RM2}	5μA
Maximum Reverse Recovery Time	$I_F=20mA$ $I_R=40mA$ $I_{RR}=10mA$	trr	100ns
Minimum Junction Temperature	—	Tj	120°C
Storage Temperature Range	—	T _{STG}	-40°Cto150°C

Mechanical Data

