

Features

SMA Package
Fast reverse recovery time

SP8LG

8kv,200mA,100ns
High Voltage Diode

Device Electrical Characteristics

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

Items	Conditions	Symbol	Value
Maximum RepetitivePeak Reverse Voltage		V_{RRM}	8kv
Average Forward Current Maximum	$T_a=55^{\circ}\text{C}$	I_{FAVM}	200mA
Maximum Forward Voltage	$I_F=100\text{mA}$	V_{FM}	16Volts
Maximum Surge Current rating	10msec, half sine	I_{FSM}	10Amps
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}	$10\mu\text{A}$
Maximum Reverse Recovery Time	$I_F=100\text{mA}$ $I_R=200\text{mA}$ $I_{RR}=50\text{mA}$	trr	100ns
Minimum Junction Temperature	—	T_j	120°C
Storage Temperature Range	—	T_{STG}	-40°C to 150°C

Mechanical Data

