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High Voltage Diode

SPF03-15
15kv 30mA 80nS

FEATURES

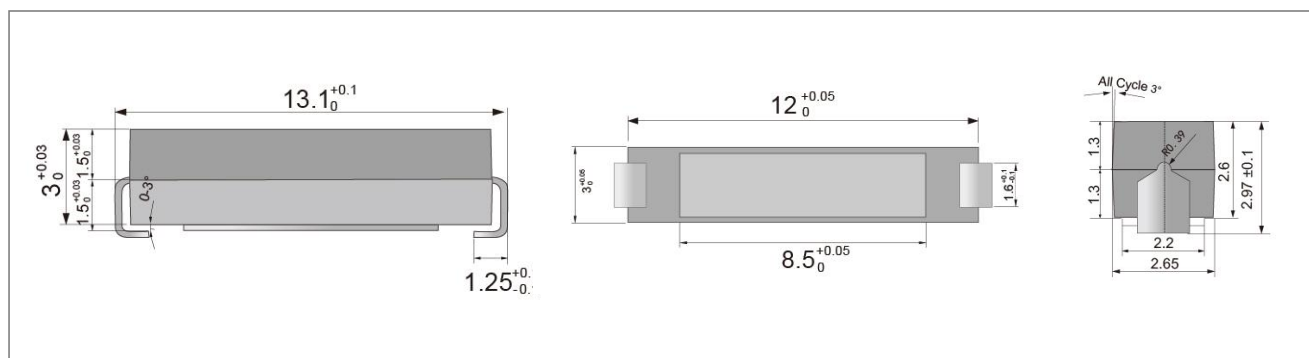
- Fast reverse recovery time
- SMA Package
- Tj:-40°C~+120°C
- ROHS compliant



Device Electrical Characteristics(Ta=25°C Unless otherwise noted)

Items	Symbol	Conditions	Value	Unit
Max. Repetitive Peak Reverse Voltage	V_{RRM}	$I_R=0.5\mu A$	15	KV
Average Forward Current max.	$I_{F(AV)}$	Ta=55°C	30	mA
Max. Forward Voltage Drop	V_{FM}	$I_F=I_{F(AV)}$	29	V
Max. Surge Current	I_{FSM}	10msec, half sine	3.0	A
Max. Reverse Current	I_{RM1}	$V_R=V_{RRM}$	0.5	μA
Max. High Temperature Reverse Current	I_{RM2}	Ta=100°C $V_R=V_{RRM}$	5	μA
Max. Reverse Recovery Time	trr	$I_F=20mA$, $I_R=40mA$ $I_{RR}=10mA$	80	nS
Max. Temperature Junction	T_J		120	°C
Storage Temperature Range	Tstg		-55to160	°C

Mechanical Data



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