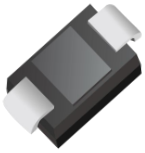
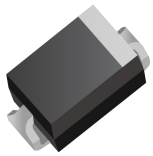
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High Voltage Diode

SP3L
3kv 500mA 100nS

FEATURES

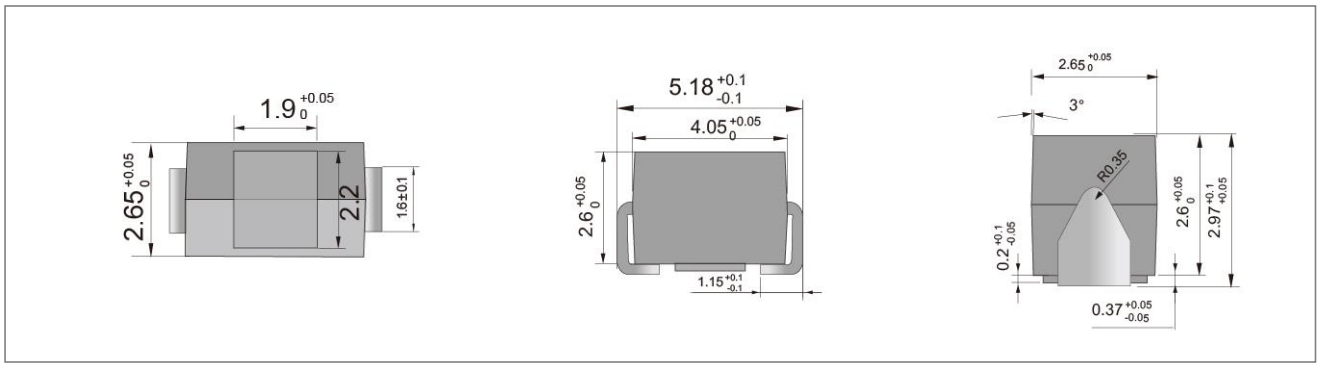
- Fast reverse recovery time
- SMA Package
- Tj:-40℃~+120℃
- ROHS compliant

Device Electrical Characteristics(Ta=25℃ Unless otherwise noted)

Items	Symbol	Conditions	Value	Unit
Max. Repetitive Peak Reverse Voltage	V_{RRM}		3	KV
Average Forward Current max.	$I_{F(AV)}$	Ta=55℃	500	mA
Max. Forward Voltage Drop	V_{FM}	I_F=100mA	12	V
Max. Surge Current	I_{FSM}	10msec, half sine	15	A
Max. Reverse Current	I_{RM1}	$V_R=V_{RRM}$	2	μA
Max. High Temperature Reverse Current	I_{RM2}	Ta=100℃ $V_R=V_{RRM}$	5	μA
Max. Reverse Recovery Time	trr	I_F=100mA, I_R=200mA I_{RR}=50mA	100	nS
Max. Temperature Junction	T_J		120	℃
Storage Temperature Range	Tstg		-55to160	℃

Mechanical Data



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