

/ Descriptions

100V 5.0A

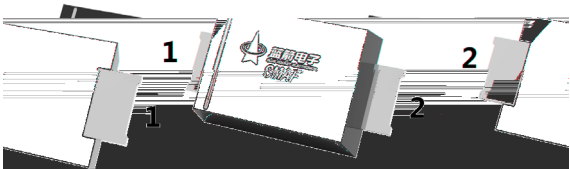
/ Features

/ Applications

/ Equivalent Circuit

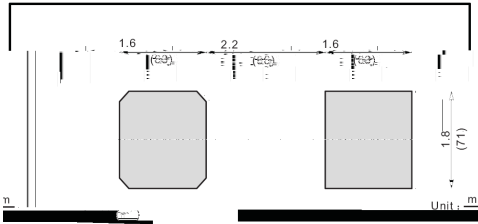


/ Pinning



PIN	DESCRIPTION
1	Cathode
2	Anode

The recommended mounting pad size



/ Marking

/ Absolute Maximum Ratings(Ta=25)

	θ		

/ Electrical Characteristics(Ta=25)

		℃		
		℃		

/ Electrical Characteristic Curve

Fig.1 Forward Current Derating Curve

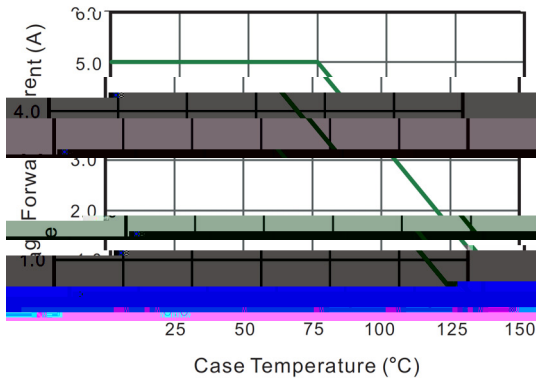


Fig.2 Typical Reverse Characteristics

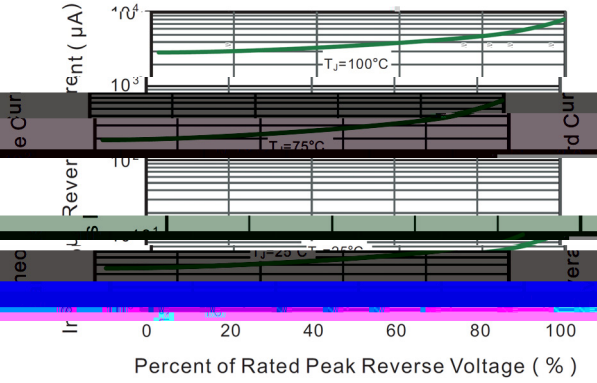


Fig.3 Typical Forward Characteristic

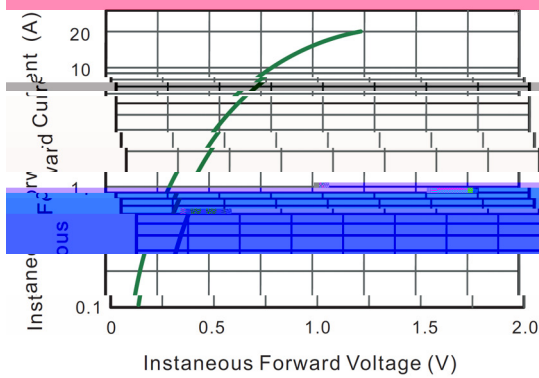


Fig.4 Typical Junction Capacitance

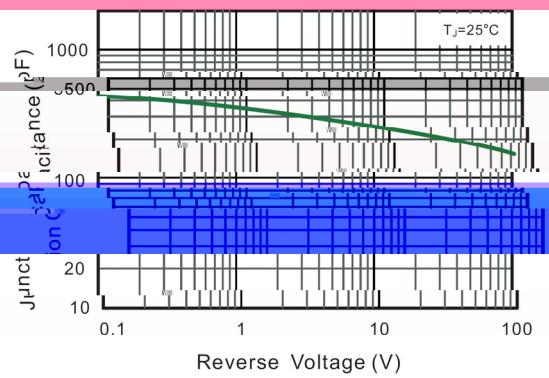


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current

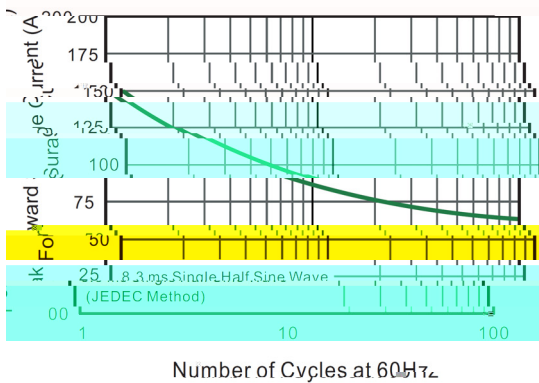
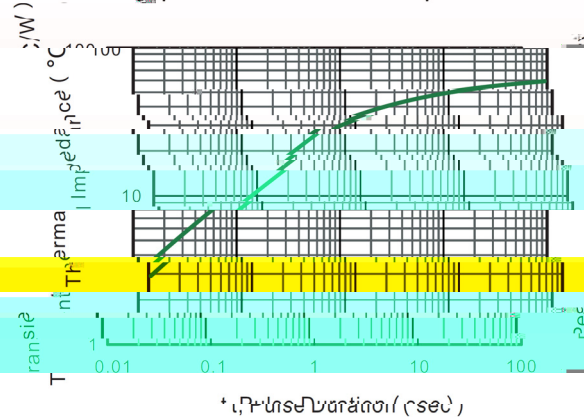
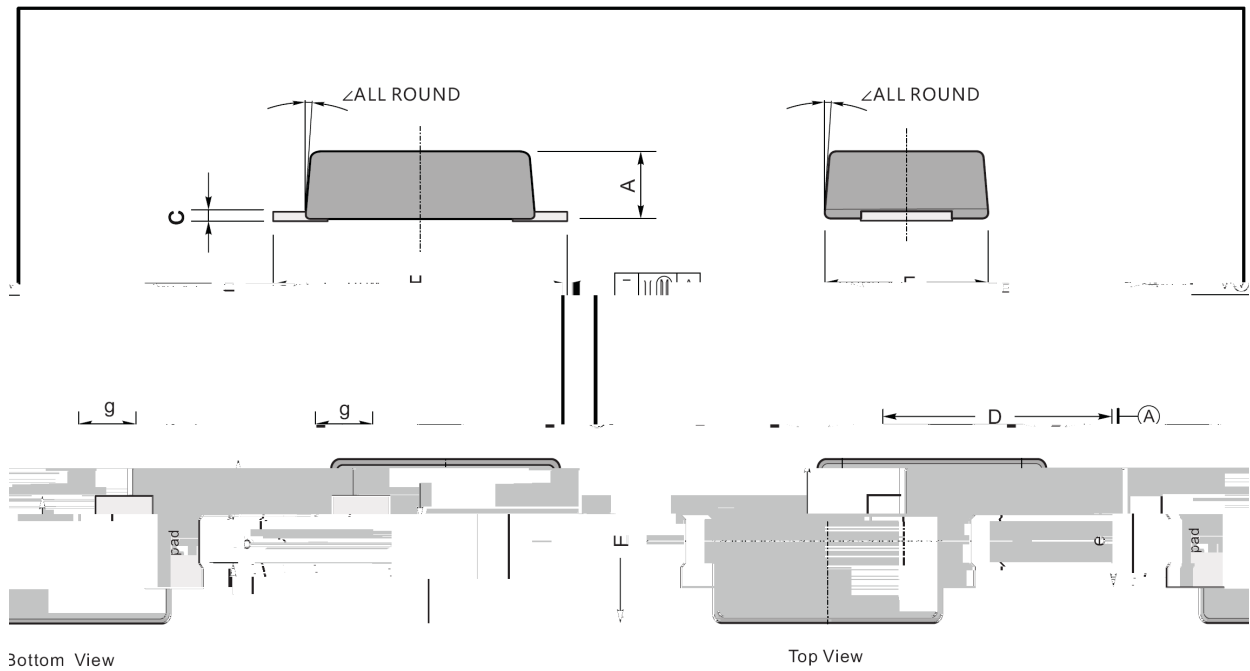


Fig.6 Typical Transient Thermal Impedance

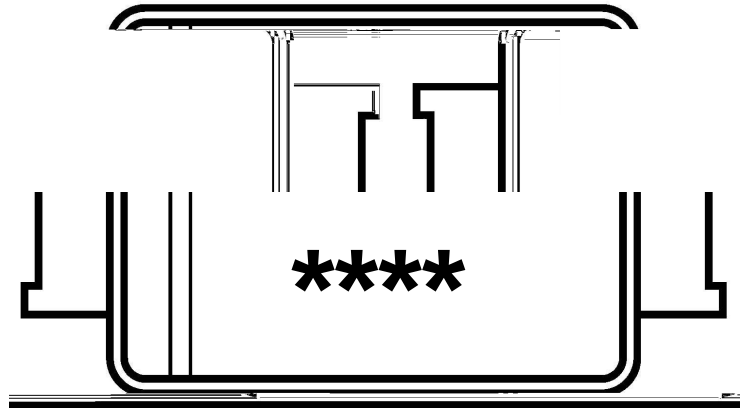


/ Package Dimensions



H _E	b	∠	UNIT	A	C	D	E	e	g
4.9	1.05		max	1.2	0.20	3.7	2.7	1.6	1.2
3.3	2.4	1.3	0.65				min	0.9	0.12
146	106	63	41				max	47	7.9
120	84	51	36				min	25	1.7

/ Marking Instructions



SL510

SL510
