



1-Line, Bi-directional, Ultra-low Capacitance Transient Voltage Suppressor

Features

- ESD protection for 1-line (500V/10kV/20kV)
- Ultra-low capacitance: C

$C_j = 0.35\text{pF typ}$

- Ultra-low leakage current: $I_R < 1\text{nA typ}$
- Low clamping voltage: V

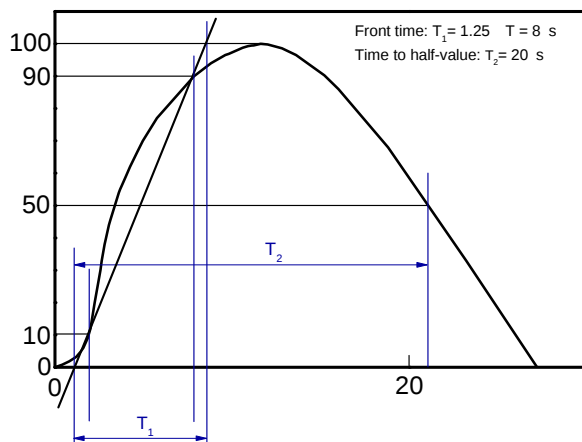
ESDSLC18VLZB



■ Characteristics (Typical)

8/20 μ s waveform per IEC61000-4-5

Contact discharge current waveform per IEC61000-4-2



Clamping voltage vs. Peak pulse current

Capacitance vs. Reverse voltage

Non-repetitive peak pulse power vs. Pulse time

Power derating vs. Ambient temperature



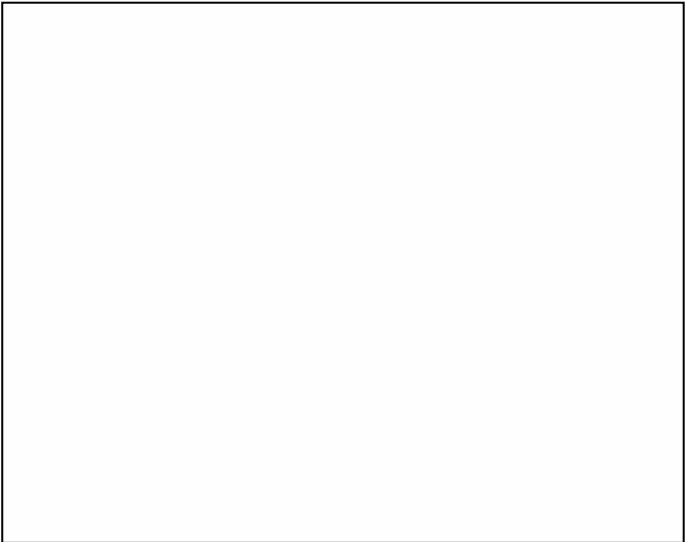
ESDSLC18VLZB

ESD clamping
(+8kV contact discharge per IEC61000-4-2)

ESD clamping
(-8kV contact discharge per IEC61000-4-2)

TLP Measurement

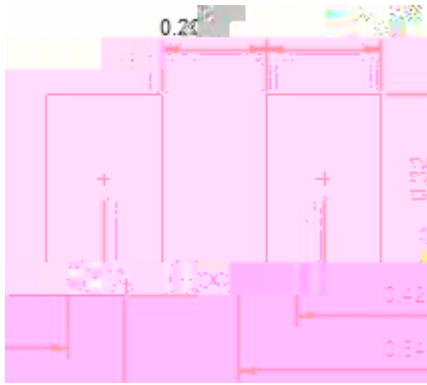
■ Outline Dimensions



6 \ P E R O	P L Q	P P	0 D	P P
\$				
%				
&				



■ Recommend land pattern (Unit:mm)



Notes:

This recommended land pattern is for reference purposes only. Please consult your manufacturing group to ensure your PCB design guidelines are met



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