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

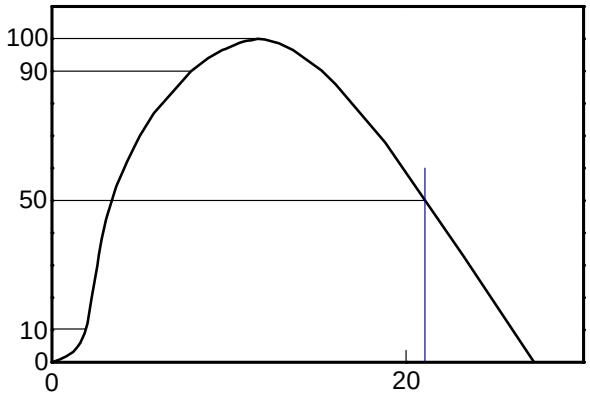
Features

” Stand-off voltage: 3.3V Max
” Transient protection for each line according to IEC61000-4-2(ESD): ±30kV (contact)
IEC61000-4-5(surge): 4A (8/20 s)
” Ultra-low capacitance: C_J = 0.35pF typ
” Ultra-low leakage current: I_R < 1nA typ
” Low clamping voltage: V_{CL} =9V typ. @ I_{PP} = 16A (TLP)
”

ESDSLC3V3LZB

v Characteristics (Typical)

8/20 s waveform per IEC61000-4-5



Contact discharge current waveform per IEC61000-4-2

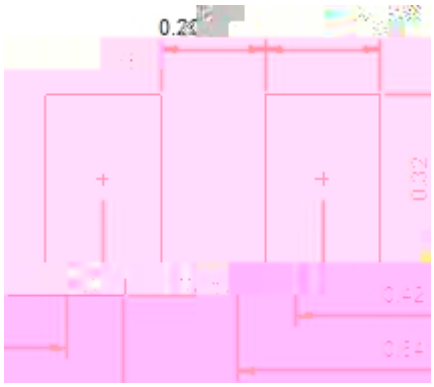
Clamping voltage vs. Peak pulse current

Capacitance vs. Reverse voltage

Non-repetitive peak pulse power vs. Pulse time

Power derating vs. Ambient temperature

■ 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

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website
http:// w.6(w-6.6(w)24.7(T)-16.6.21)-6.6ya1e(.cm)]TJ 0g 28.8667 0 TD -.0009 Tc .0031 Tw [,e or coesul( )-6.6y ou( )-6.6nearsst(Yangj)-5.4(