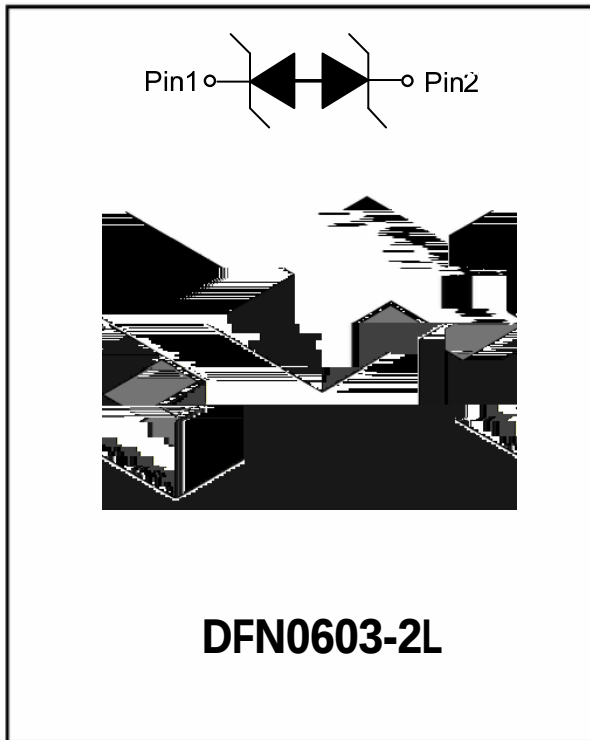


1-Line, Bi-directional, Transient Voltage Suppressor



Features

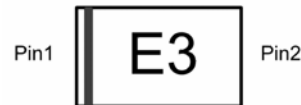
" 8OWUD VPDOO SDFNDJH
" 6WDQG RII YROWDJH " 9 0D[
" 7UDQVLHQW SURWHFWLRQ IRU HDFK O
,(& (6' " N9 FRQWDFW
,(& ()7 \$ QV
,(& VXUJH \$ V
" 8OWUD ORZ FDSDFLWDQFH &- S) W
" /RZ OHDNDJH FXUUHQW
" /RZ FODPSLQJ YROWDJH
" 5R+6 &RPSOLDQW

Applications

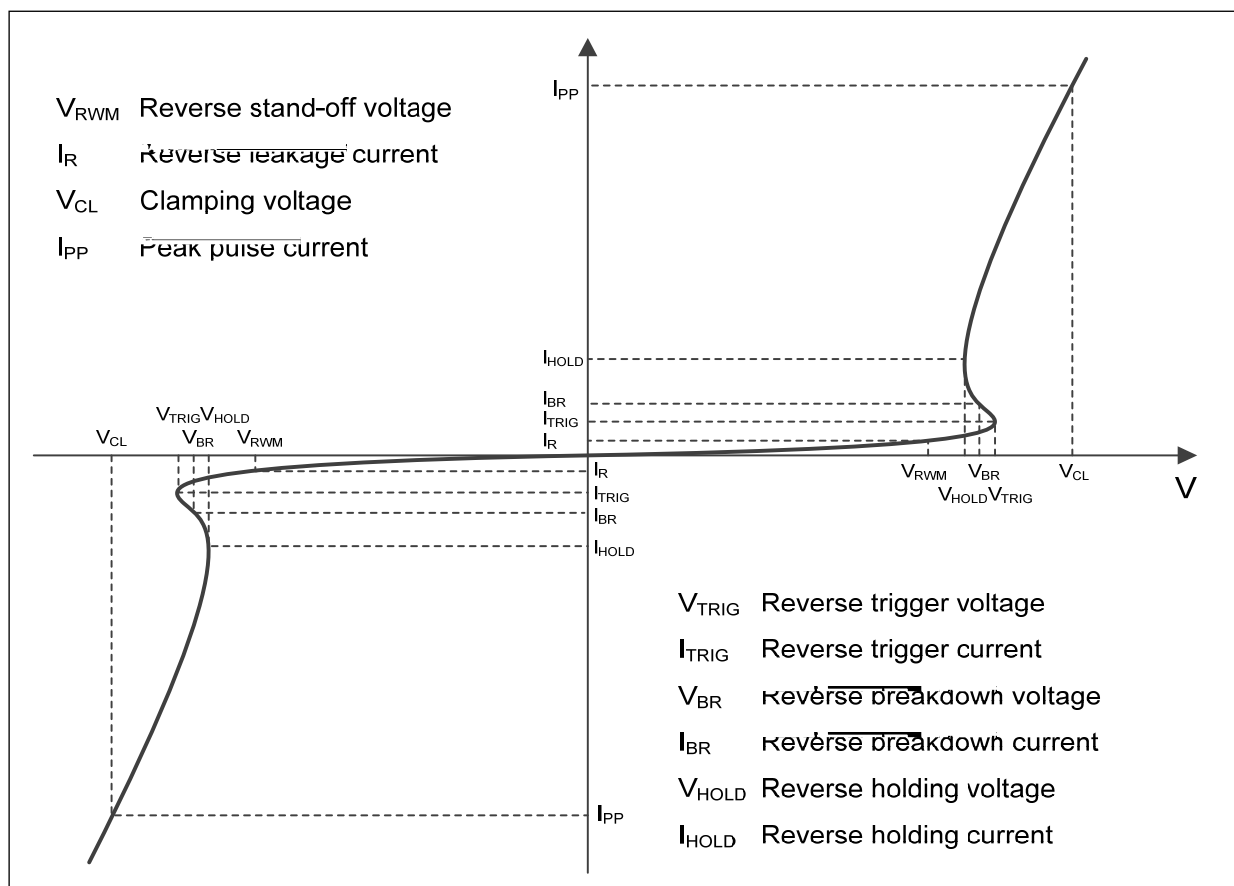
" &HOOXODU KDQGVHWV
" 7DEOHVV
" /DSWRSV
" 2WKHU SRUWDEOH GHYLFHV
" 1HWZRUN FRPPXQLFDWLRQ GHYLFHV

Mechanical Characteristics

" 3DFNDJH ')1 /
" &DVH 0DWHULDO 3*UHHQ' 0ROGLQJ &R
" 0RLVWXUH 6HQVLWLYLW\ /HYHO SHU
" 0DUNLQJ WLIROPHH %HORZ



Definitions of electrical characteristics





ESD3V3LZBA1

Absolute Maximum Ratings
7D
f & XQOHVV
RWKHUZLVH
VSHFLILHG

PARAMETER	SYMBOL	Rating	
3 HDN SXOVH SRZHV W	3 _{SN}		:
3 HDN SXOVHsFXUUHVQW W	,33		
(6' DFFRUGLQJ WR ,(& DLU GLVFKDUJH	9(6' GLVFKDUJH	"	.9
(6' DFFRUGLQJ WR ,(& FRQWDFW		"	.9
-XQFWLRQ WHPSHUDWXUH	7-		R&
2SHUDWLQJ WHPSHUDWXUH	7 ₂₃	a	R&
6WRUDJH WHPSHUDWXUH	67*	7 a	R&

Electrical Characteristics
7D
8QOHVV
RWKHUZLVH
VSHFLILHG





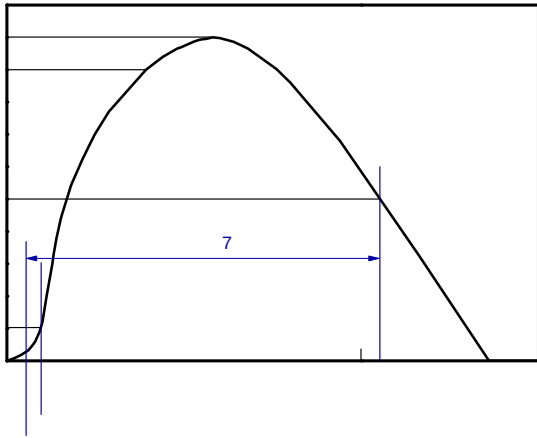
ESD3V3LZBA1

Typical Performance Characteristics

XQOHVV RWKHUZLVH 6SHFLILH

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

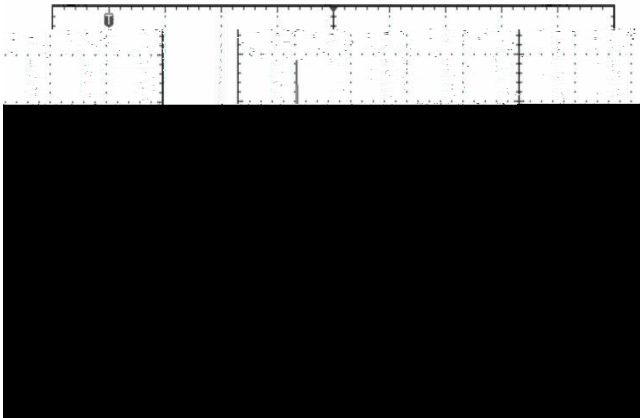
Non-repetitive peak pulse power vs. Pulse time

Power derating vs. Ambient temperature

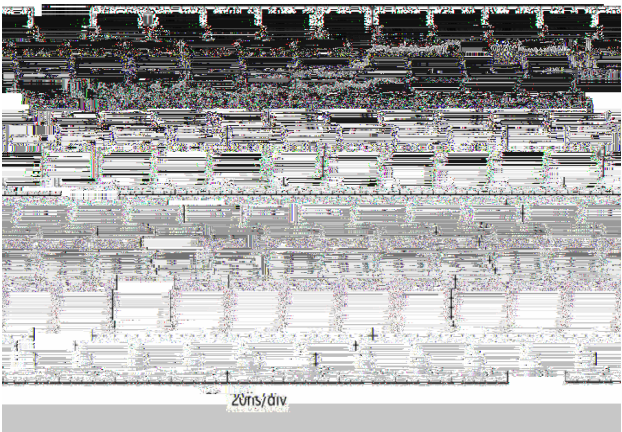


ESD3V3LZBA1

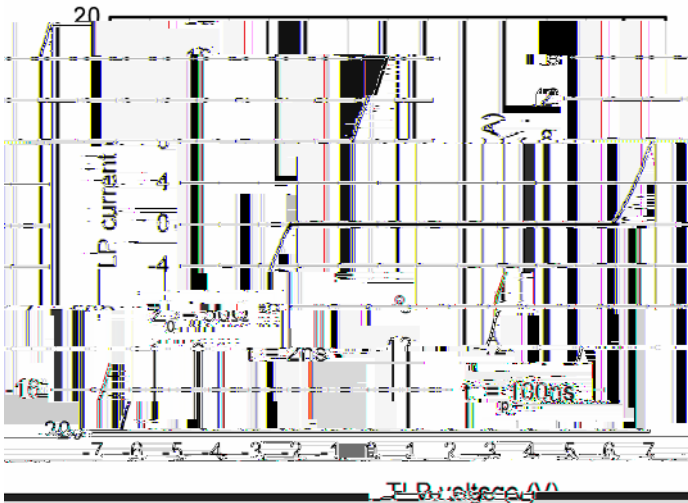
ESD clamping
(+8kV contact discharge per IEC61000-4-2)



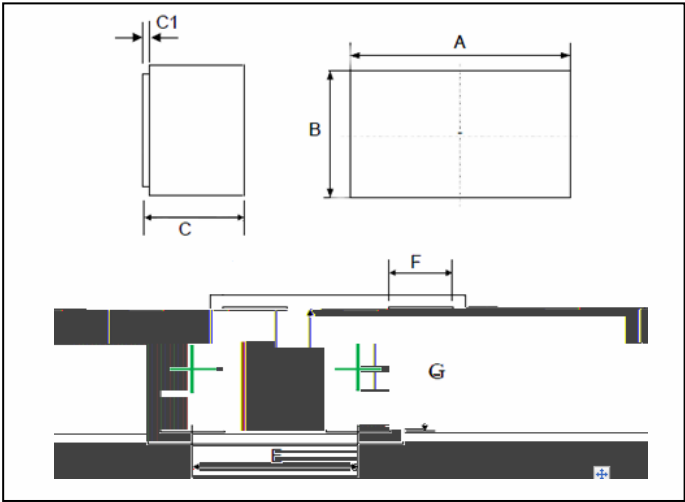
ESD clamping
(-8kV contact discharge per IEC61000-4-2)



TLP Measurement



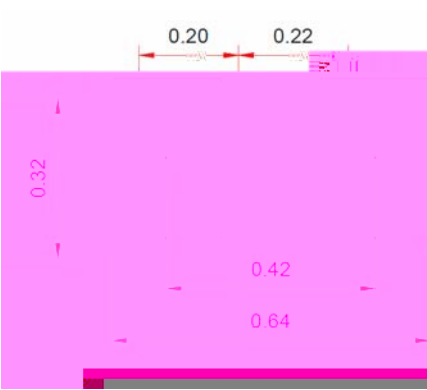
vOutline Dimensions



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



ESD3V3LZBA1

Disclaimer

7KH LQIRUPDWLRQ SGRFNDQW ILQIRUPDWLRQ JKH<RQJMLH (OHFWURQLF 7HHKQRO
ULJKW WR PDNH F'JHLVHZLWKRWKH QSWHLSURGXFWV GLWSOD\HG KHUHLp 0WFGHVSJQ
WQXP833DA0 HUHG IRUPDWLRX i0P€GóFP

7KH SURGXFW OLVWHG KHUHLp 0LV GHQJHQW H B QW Rp EHT XLSPGH Q WWRKURGLp @FWPKD Q G
HTXLp0 €QW RU GHYLFHV p K&LFK UHTXWUH KLPUKI XQFWLGRp ILUH B WpE HQpD Q p p p P D
PHGLFDO LQVWUXPHQW VHTWLOD Q Q WRUDH V SQXFOH DU UHDFWHUO FRQQWUHQOODHW\ R
GRQWURO H<FAF£FÜH FRp p 0p`0•€€€sÀRQWLJR•pDLFLV`EÀ0RU GLIDD\0G`U GDQQ0G