



1- Line, Bi-directional, Transient Voltage Suppressor

Features

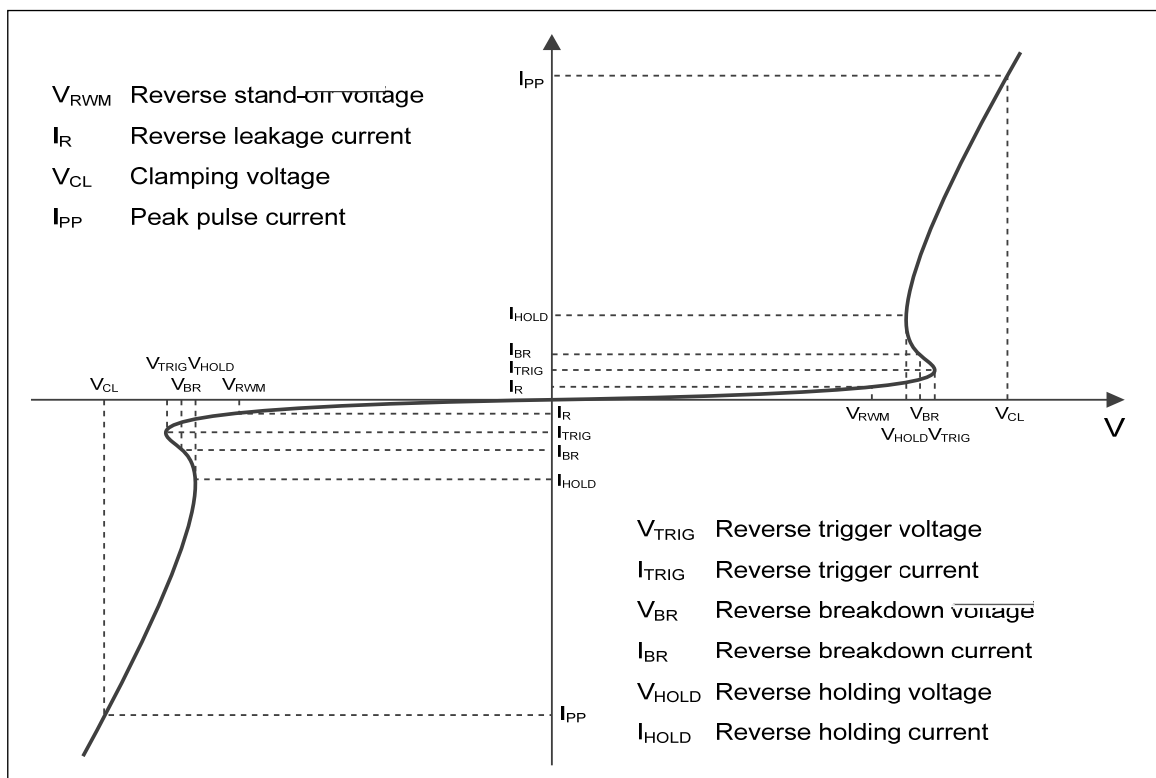
" 6WDQG RII YROWDJH " 9 0D[
" 7UDQVLHQW SURWHFWLRQ IRU HDFK OLC
, (& (6' " N9 FRQWDFW
, (& ()7 \$ QV
, (& VXUJH \$ V
" FDSDFLWDQFH &- S) W\ S
"/RZ OHDNDJH FXUUHQW
"/RZ FODPSLQJ YROWDJH
9&/ 9 W\ S # ,33 \$ 7/3
" 6ROLG VWDWH VLOLFWRQ WHFKQRORJ\

Applications

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

Mechanical Data

" 3DFNDJH 62'
" /HDG)LQLVK 0DWWH 7LQ
" &DVH 0DWHULD 3*UHHQ' 0ROGLQJ &R
" 0RLVWXUH 6HQVLWLYLW\ /HYHO SHU
" 0DUNL „!† ,A'7• 7€Ãx ""!† „ ñ •Dh , „!† ,A'7• 7€Ãx ""!†





ESD4V5D3BA

Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
3 HDN SXOVH ₅ SRZHU W	3 _{SN}		:
3 HDN SXOVH ₅ FXUUHQW W	3 ₃		\$
(6' DFFRUGLQJ WR ,(& DLU GLVFKDUJH	9 _{(6'}	"	. 9
(6' DFFRUGLQJ WR ,(& FRQWDFW GLVFKDUJH		"	
-XQFWLRQ WHPSHUDWXUH	-	7	R&
6WRUDJH WHPSHUDWXUH	67*	7 a	R&

Electrical Characteristics

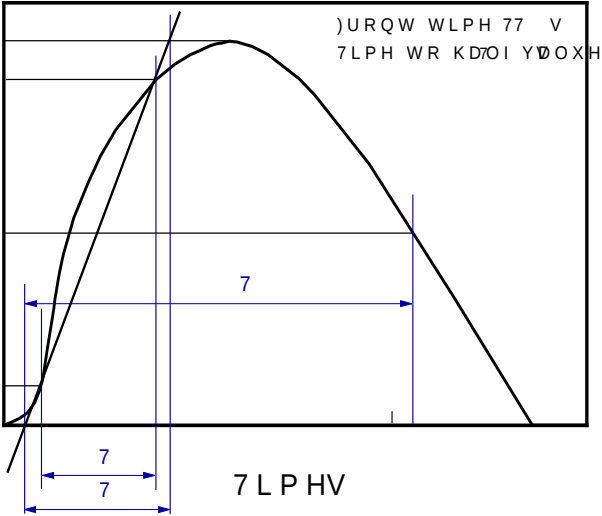
PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
5HYHUVH PD[LPXP ZRUNLQJ YROWDJH		9	9			"
5HYHUVH OHDNDJH FXUUHQW	5	\$	9.0 9			
5HYHUVH EUHDNGRZQ YROWDJH	9 %5		7 P\$ 9			

33 i p Å ° Å 0 p € 0 i € • L E C { • ° Å à ~ A (2 & r Å C \$ -5 0
& O D P S L Q J Y R O W D J H



vCharacteristics 7\SLFDO

Fig.1 8/20μs waveform per IEC61000-4-5





ESD4V5D3BA

Fig.7 ESD clamping
(+8kV contact discharge per IEC61000-4-2)

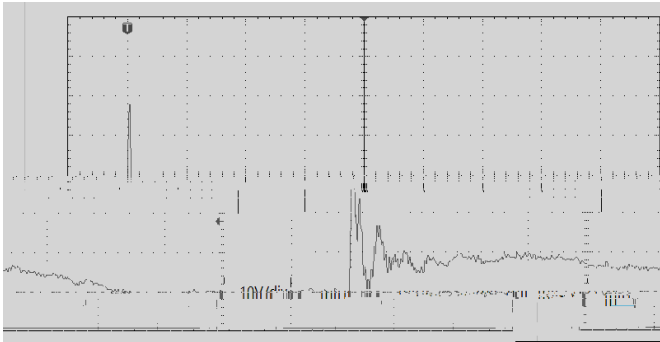
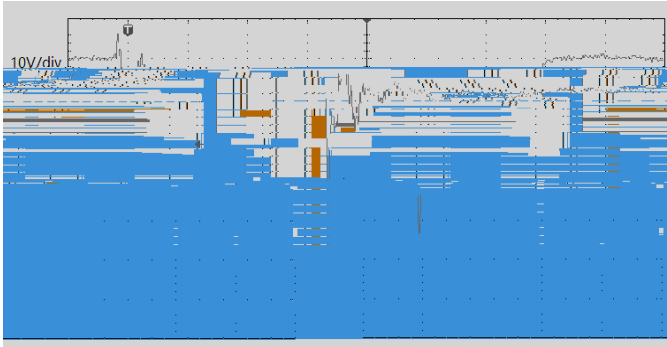
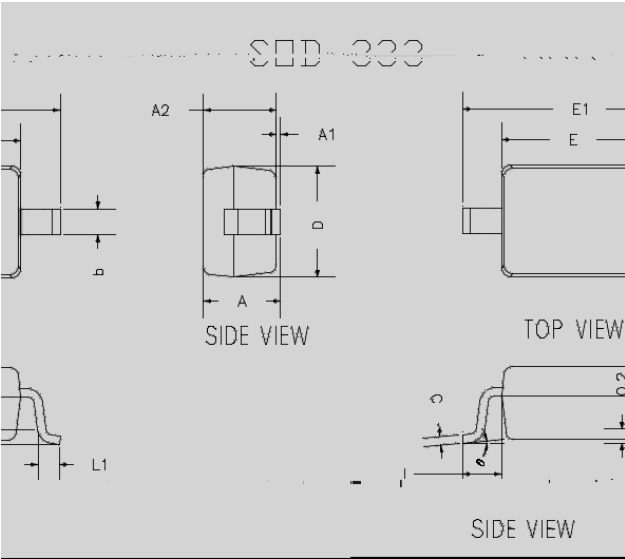


Fig.8 ESD clamping
(-8kV contact discharge per IEC61000-4-2)

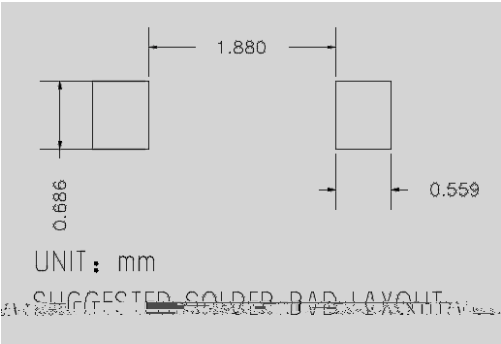


vOutline Dimensions



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	---	0.0393	---	1.0000
A1	0.0000	0.0039	0.0000	0.1000
A2	0.0314	0.0354	0.8000	0.9000
b	0.0098	0.0157	0.2500	0.4000
c	0.0033	0.0059	0.0800	0.1500
D	0.0472	0.0551	1.2000	1.4000
E	0.0629	0.0709	1.6000	1.8000
E1	0.0984	0.1063	2.5000	2.7000
L	0.0137 TYP		0.475 TYP	
L1	0.0098	0.0157	0.250	0.400
θ	8°	8°	8°	8°

■ Soldering Footprint



1RWHV
7KLV UHFRPPHQGHG ODQG SDWWHUQ LWOHFDUHFHQHFWLUSPDQXIDQWUXUJQU
GHVLJQJXLGHOLQHV DUH PHW



ESD4V5D3BA

Disclaimer

7KH LQIRUPDWLRQ SGRVHQMHG LQ IRWLVHDIHQJHQRK<BQJMLH (OHFWURQLF 7HHKQRO
ULJKW WR PDNH FKDLQHVRZLWKR XWSQRSLURGXIERQV RGLWSOD\HG KHUHLQ WRGLHPSLURY
RU RWKHUZZLVH

7KH SURGXW@TOLQRM/S UAHWALS KUEPRP S DLE D 7 A P Àh RðØ P