

1-Line, Bi-directional, Transient Voltage Suppressor

Features

```
" 6WDQG RII YROWDJH " 9 0D[
"7UDQVLHQW SURWHFWLRQ IRU HDFK OLQH DF
,(&          (6' " N9 FRQWDFW
,(&          ()7 $ QV
,(&          VXUJH $ V
"8OWUD ORZ FDSDFSWHQSH &
"/RZ OHDNDJH FXUUHQW
"/RZ FODPSLQJ &YROWDWSH# 9, $
7/3
" 6ROLG VWDWH VLOLFRO WHFKQRORJ\
```

Mechanical Data

```
" Package      ' ) 1      /
" Terminals 7LQ SODWHG OHDGV VROGHUDEOH S
- 67'      DQG -(6' %
" Polarity: 1R PDUNLQJ RQ EL GLUHFWRQDO W\SH
" Marking:
```

Definitions of electrical characteristics



ESD5V0LBA1

Maximum Ratings

PARAMETER	SYMBOL	Z š]vP	UNIT
3 HDN SXOVH SRZHV W	3 _{SN}		:
3 HDN SXOVH _s FXUUHQW W	3 ₃		
(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&

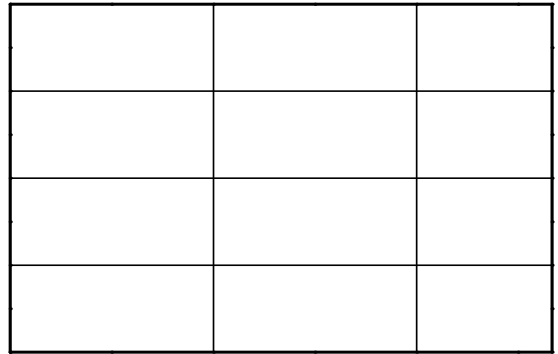
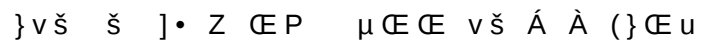
Electrical Characteristics Ä 7D 8QOHVV RWKHUÄLVH VSHFLILHG

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
5HYHUVH PZ[RÜMEQJ YROWDJH 5:0		99				"
5HYHUVH OHDNDJH FXUUHQW 5		\$	9;0 9			
5HYHUVH EUHDNGRZQ YROWDJH 9%5		9	7, P\$			
&ODPSLQJ ¹ YROWDJH	9&/	9	33 \$ s W			
'\QDPLF UHVVLVWDQFH	5'<1					
&ODPSLQJ ² YROWDJH	9&/	9	9 _{6'} N 9			
&ODPSLQJ ³ YROWDJH	9&/	9	33 \$ s W			
		9	33 \$ s W			
		9	33 \$ s W			
-XQFWLRQ FDSDFLWDQFH	&-	S)	9 9 l 0+]			

7/3 SDUDPHWHUW = QV WQV DYHUDJLQJ ZLQGRZ IURPV FQWUODQMG5IURP \$ W



3HDN SXOVH FXUUHQW



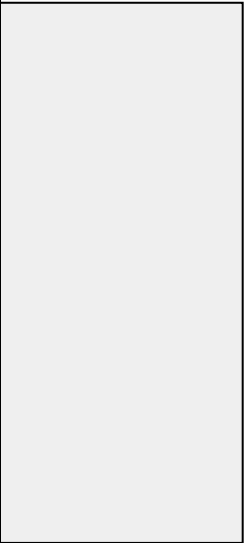
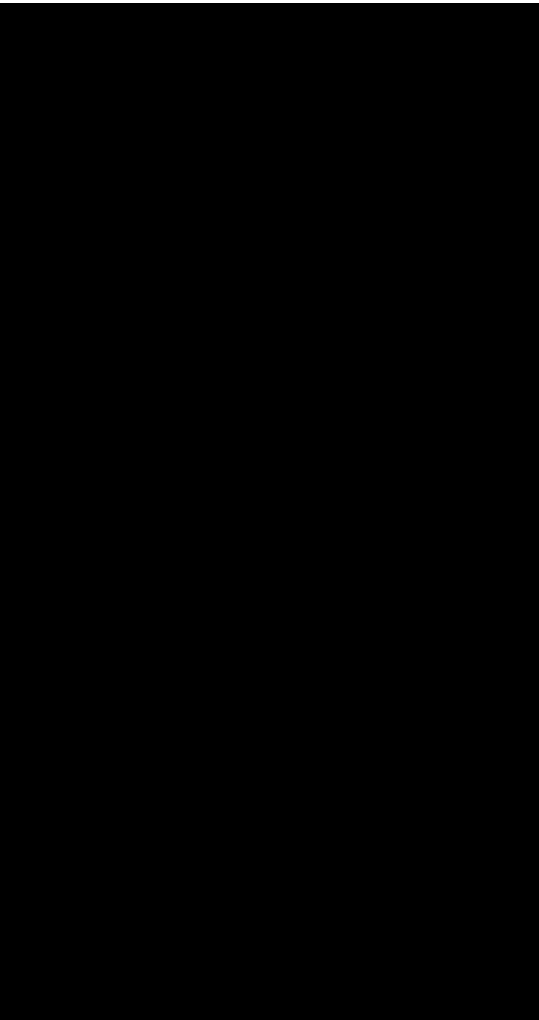
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Ω Recommend land pattern 8 Q L W P P

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ESD5V0LBA1

Disclaimer

7KH LQIRUPDWLRQ SURFHDQW LV IRXU\DIHJHQK<RQJMLH (OHFWURQLF 7HHKQRO
ULJKW WR PDNH FKDLQHVRZLWKRXWSKRLSURGXFWV RILWSOD\HG KHUHLQ WRGLHPSLURY
RU RWKHUZZLVH

7KH SURGXFW OLVWHG KHUHLQ LV GHVLGHQWRFEHTXVLSHQLWKRURGHLYLFWHVVWIDQG
HTXLSPHQW RU GHYLFHV ZKLFK UHTGLWKKHEDKOXQYHVOGRQLHHOLMDLGRVODQPHU
PHGLFDO LQVWUXPHQWVITWLSQHQRUWHUVRVSDXHOHDEKWLQDFWHUOFRQQWURBOHHU
GHYLFHV <DQJMLH RU DQIRQH RQ LWVOEMKROI OLVEXLHWQRUWHQSRQVEBJKHVHUV
RI VDOH

7KLV SXEOLFDWLRQ SXODFHUWIDGIDLQURUPDWSLROLSGHYLRXVGGWLWRQDO LQWRUPDWLR
KWVZ[Z](#)[\DQJMLH](#)RRFRQVXOWIRXU QHDUHVW <DQJMLHWDQVFIHV RILFH IRU IXUW