



# ESD5V0D5

## ESD Protection Diode

### Features

" )RU VHQVLWLYH (6' SURWHFWLRQ  
 " /RZ OHDNDJH  
 " 8QL GLUHFWRQRDO (6' SURWHFWLRQ RIR  
 " (SR[\ PHHWV 8/ 9 IODPPDELWLW\ UDW  
 " 0RLVWXUH 6HQVLWLYLW\ /HYHO

### Mechanical Data

" **Package** 62'  
 " **Terminals** 7LQ SODWHG OHDGV VROGHUDEO  
 - 67' DQG -(6' %  
 " **Polarity:** &DWKRGH OLQH GHQRWHV WKH FDW  
 " **Marking:** =)

### Maximum Ratings

PARAMETER	SYMBOL	LIMITS	UNIT
2SHUDWLQJ -XQFWLRQ 6WRUDJH 7HPSHUDWXUH <sup>67</sup>		WR	7 CÀ @ 'yf1tHta5i -

3HDN 3XOVH &XUUHQW	<sup>A A</sup> 33		\$
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	33
7HVW &XUUHQW	7
5HYHUVH /HDNDJH <sub>5</sub> &XUUHQW# 9	5
5HYHUVH 6WDQGRII 9ROWDJH	5:0
)RUZDUG 9ROWDJH# ,	)



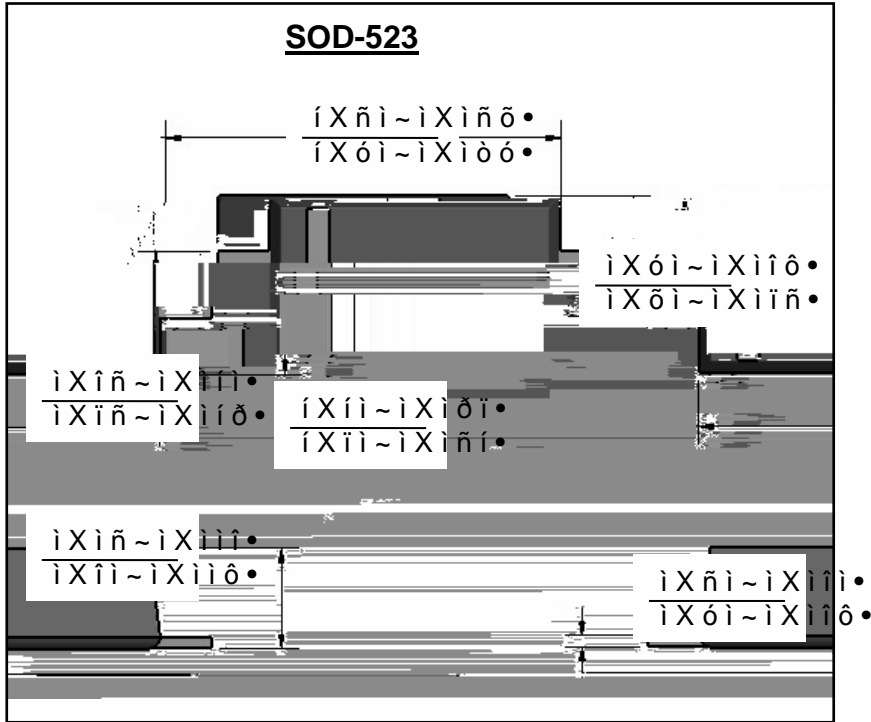
# ESD5V0D5

## Electrical Characteristics $T_a=25$ Unless otherwise specified $\text{\AA}$

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
5HYHUVH 6WDQGRII 9ROWDJH	$9_{5:0}^{\text{\AA} \text{\AA}}$	9				
5HYHUVH /HDNDJH &XUUHQW	5		, 5:0 9 X	\$		
%UHDNGRZQ 9ROWDJH	%5	9	7 P\$ 9		,	
&ODPSLQJ 9ROWDJH	$9_{\&}^{\text{\AA} \text{\AA}}$	9	.33 \$ È WS XV			
)RUZDUG YROWDJH	)	9	) P\$ 9			,
3HDN 3RZHU 'LVVLSDWLRQ		3 SN	: WS XV			

9

vOutline Dimensions



Soldering Footprint





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## Disclaimer

7KH LQIRUPDWLRQ SGRFWRUHQW LG IRU KLWIDHJHQRK BQJMLH (OHFWURQLF 7HFKQRO  
ULJKW WR PDNH FKDLFHVRZLWKR XWS KRLS LURDGXIERVQ/ RGLWSOD\HG KHUHLQ WURGLPVLWRQ  
RU RWKHUZLVH

7KH SURGXFW OLVWHG KHUHLQ LV GHVQLJHWGRVOR FEHTXVLSBHZLWKRUR LGHLYLDFHVVW DQG  
HTXLSPHQW RU GHYLFHV ZKLFK UHTGLW KHKE DKO OXQYHVOGRG LURHOZLWDL BQJMLH DQXPD  
PHGLFDO LQVWUXPHQW VITWLSDFHVR UDWLWURV SODFHODFD EKLQD FWRLO FFRQVQGRBODHUM U V  
GHYLFHV <DQJMLH RU DQIRQH RQ LWVOE M/K DQJ OLVEXLHLWQR U HDGSRQDVEBJHV HUH  
RI VDOH

7KLV SXEOLFDWLRQ SVXDSFHUW DGDVLQURQPDVXLSRQLSBGHYRUR XDGGLWLRQDO LQWRHUPDWLR  
KWV [VZ](#) [\DQJMLHRFR](#) PRQVXOW \RXU QHDUHW <DQJMLVHMIDQVFDH OHV RILFH IRU IXUW