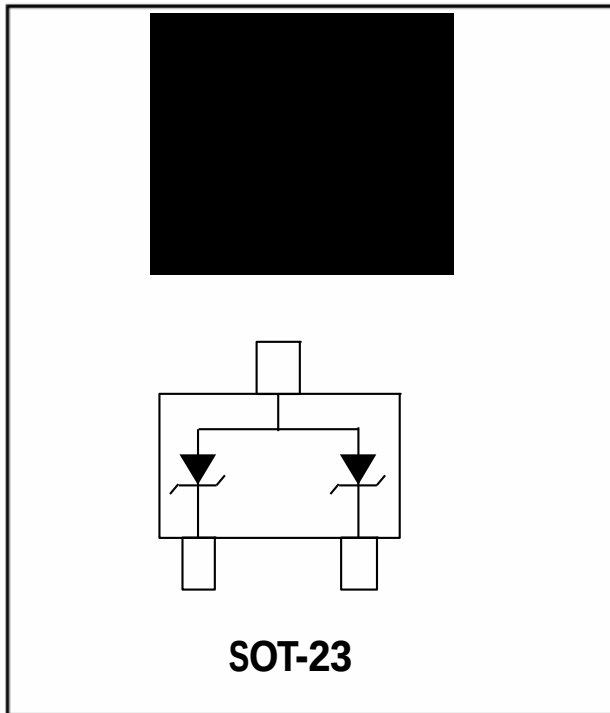


2- Line, Uni-directional, ESD protection diode



Features

" 7UDQVLHQW SURWHFWLRQ IRU HDFK OL
 ,(& (6'Fïls }vš ŠU Fïls]Æ
 ,(& ~Š%Aôîî...••
 " /RZ OHDNDJH FXUUHQW
 " 8OWUD ORZ FODPSLQJ YROWDJH
 " 5R+6 &RPSOLDQW
 " 3DUW QR Z4WKHQXIVL\$(3& 4 TXDOLILH

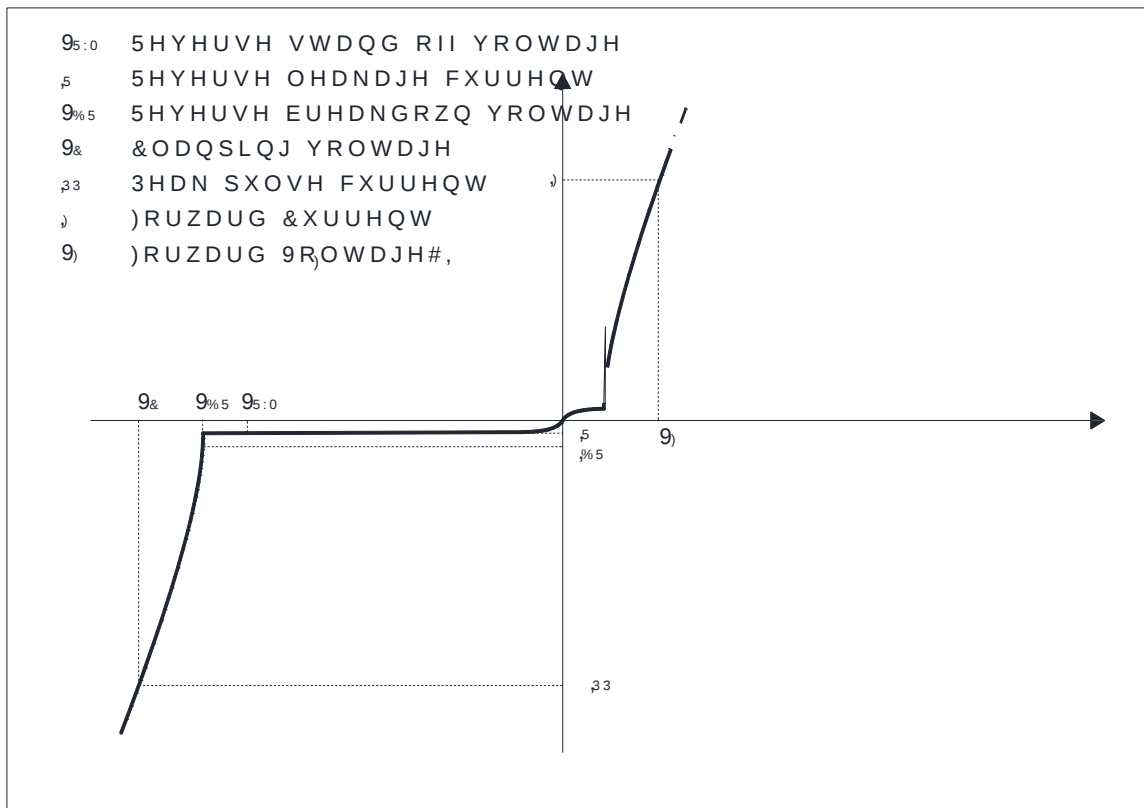
Applications

"9HKLFOH GRPDLQ FRQWUROOHU 9&8 HO
SURWHFWLRQ
"(OHFWURVWDWRE SURWHFWLRQ HOHFWR
PXOWPHGLD LQWHUIDFH
"&\$1 %XV SURWHFWLRQ
"\$XWRPRWLYH DSSOLFDWLRQV

Mechanical Data

" 3DFNDJH 627
" /HDG)LQLVK 0DWWH 7LQ
" &DVH 0DWHULDO 3*UHHQ' 0ROGLQJ &R
" 0RLVWXUH 6HQVLWLWLYLW\ /HYHO SHU

Definitions of electrical characteristics





ESD1502ESQ

Maximum Ratings

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



MECHANICAL DRAWING OF THE 025 PACKAGE

TOP VIEW: Shows a rectangular package with overall width D and body width E . The distance between the two mounting pads is b . The package is centered on a 0.090 inch (2.30 mm) pitch.

SIDE VIEW: Shows the package height L and the mounting pad height $L1$. The mounting pad diameter is 0.025 inch (0.64 mm).

SUGGESTED SOLDER PAD LAYOUT: Shows the recommended dimensions for the solder pads. The pad diameter is 0.025 inch (0.64 mm). The distance between the pads is 0.025 inch (0.64 mm). The distance from the pad center to the package edge is 0.025 inch (0.64 mm). The distance from the pad center to the next package pitch is 0.090 inch (2.30 mm).

SYMBOL	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A	0.035	0.045	0.900	1.150
A1	0.000	0.004	0.000	0.100
b	0.025	0.041	0.900	1.050
D	0.035	0.045	0.900	1.150
E	0.035	0.045	0.900	1.150
L	0.035	0.045	0.900	1.150
L1	0.035	0.045	0.900	1.150

UNIT: mm

NO. OF:
 1. PACKAGE
 2. TOLERANCE
 3. TOLERANCE
 4. TOLERANCE

A line drawing of a rectangular table. The table has a large rectangular top with a beveled edge. In the center of the table's length, there is a pedestal consisting of a square base with three horizontal bands, topped by a square block. At each end of the table, there is a side pedestal, also consisting of a square base with three horizontal bands and a square top block. The table is shown from a perspective view.

1 R W H



ESD1502ESQ

Disclaimer

7KH LQIRUPDWLRQ SURFHVWV LQ IRU KLW LQ JKH <DQMLH (OHFWURQLF 7HHKQRO
ULJKW WR PDNH FKDLQH VRZLWKR XWSKRLSURGXFWV GLWSOD\HG KHUHLQ WRGLHPSURQY
RU RWKHU ZLVH

7KH SURGXFW OLWVGHV IJHQH WR EH MHHGHZLW DQMLH XWPGLWYJQH IRU XVH LQ PHG
VDYLQJ OLIHVXVWBDQJOLHURUPDQVQH DQMLHVEHQ UOLSEQOLEWLRW\ DQWGQPDUR
P VXFK LPSURSHU XVH RI VDOH

7KLV SXEOLFDWLRQ SXSDSHUW DQMLQURUPDQVLSQ LSGHYLW XGGLWLRQDO LQWRUPDWLR
KWW [VZ](#) [\DQJMLH](#) RFRPRQVXOW \RXU QHDUHVW <DQJMLH\ DQVFBIOHV RIILFH IRU IXUW