TPMMBZ6V8ALT1G

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- Transient protection for high speed data lines to
  IEC 61000-4-2 (ESD) ±30kV (air), ±30kV (contact)
  IEC 61000-4-4 (EFT) 40A (5/50ns)
- Working voltages : 4.5V
- Protects one bidirectional line or
- Low operating and clamping voltages
- Solid-state silicon avalanche technology

- 3DFNDJH 627
- /HDG)LQLVK 0DWWH 7LQ
- - 6 + 2 ;$
- Pb-Free, Halogen Free, RoHS/WEEE Compliant

- USB Power & Data Line Protection
- Monitors and Flat Panel Displays
- I^{2}C Bus Protection
- Portable Instrumentation
- Set Top Box

Ordering Information

Part Number	Qty per Reel	Reel Size
TPMMBZ6V8ALT1G	3000	7″

'LPHQVLRQV DQG 3LQ &RQILJXUDWLRQ

&LUFXLW DQG 3LQ 6FKHPDWLF

7\SLFDO 3HUIRUPDQFH &KDUDFWHULVWLFV

Fig1. 8/20μs Pulse Waveform

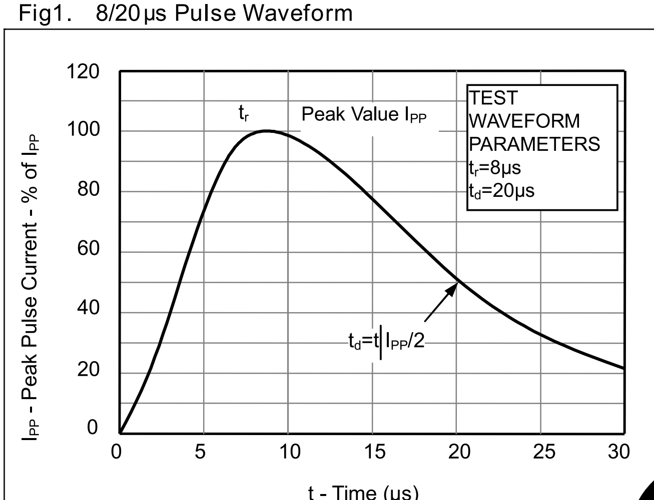


Fig2. ESD Pulse Waveform (according to IEC 61000-4-2)

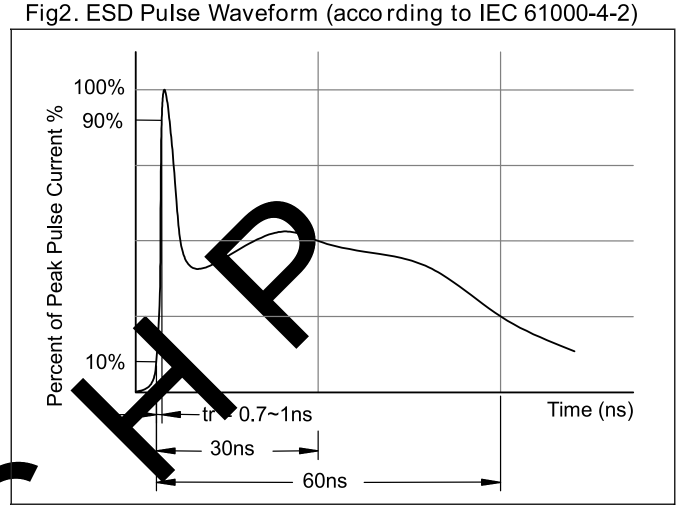


Fig3. Power Derating Curve

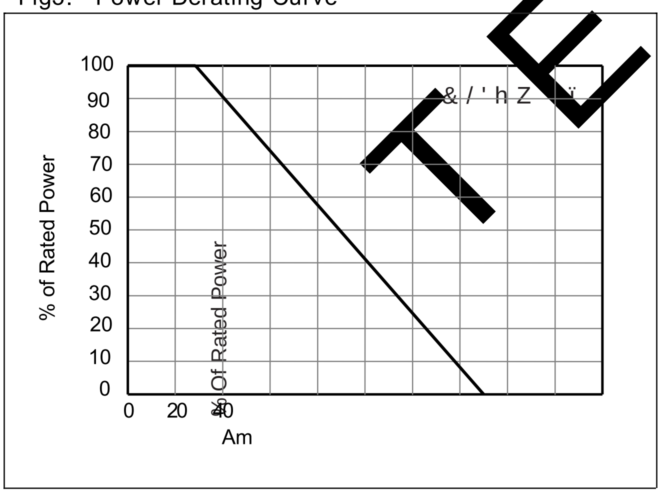
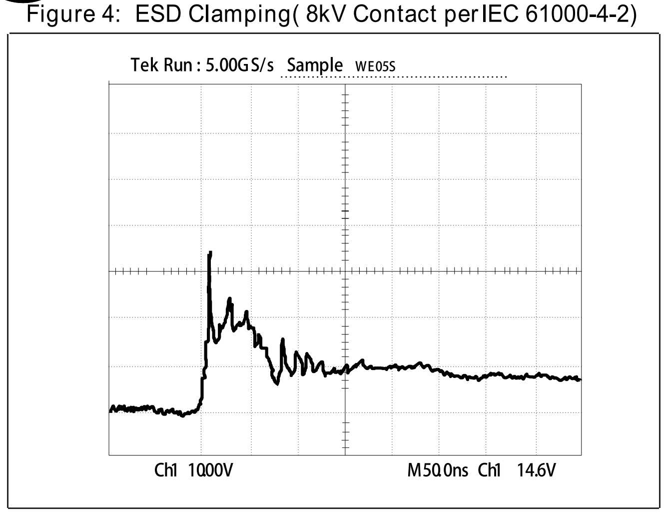


Figure 4: ESD Clamping(8kV Contact per IEC 61000-4-2)



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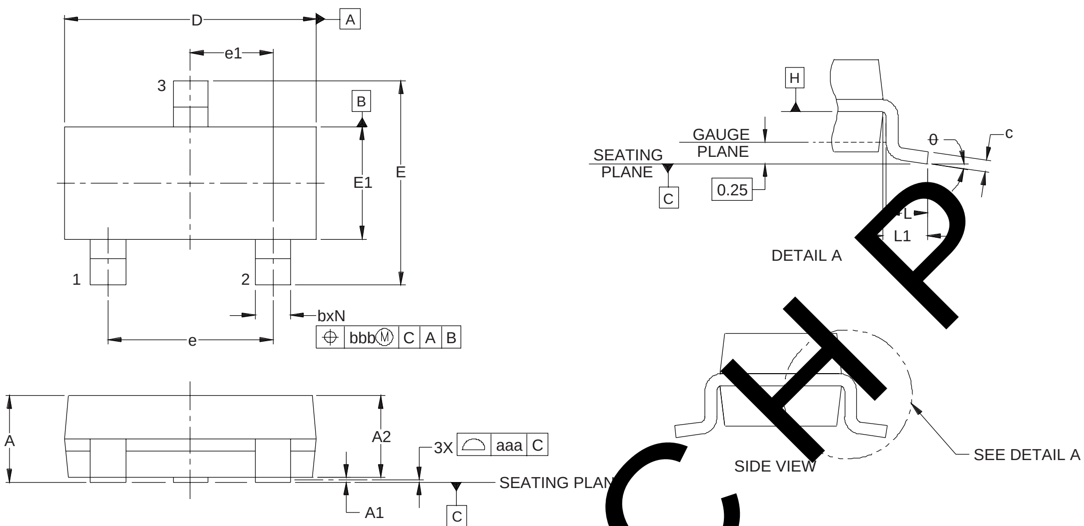
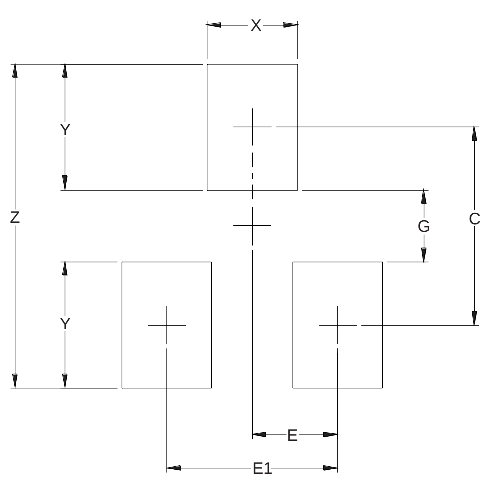
Outline Drawing - SOT23



DIM	INCHES			MILLIMETERS		
	MIN	NOM	MAX	MIN	NOM	MAX
A	.035	-	.044	0.89	-	1.12
A1	.000	-	.004	0.01	-	0.10
A2	.035	.037	.040	0.88	0.95	1.02
b	.012	-	.020	0.30	-	0.51
c	.003	-	.007	0.08	-	0.18
D	.110	.114	.120	2.80	2.90	3.04
E	.082	.093	.104	2.10	2.37	2.64
E1	.047	.051	.055	1.20	1.30	1.40
e	.075			1.90 BSC		
e1	.037			0.95 BSC		
L	.015	.020	.024	0.40	0.50	0.60
L1	.022			(0.55)		
N	3			3		
θ	0°	-	8°	0°	-	8°
aaa	.004			0.10		
bbb	.008			0.20		

Land Pattern - SOT23



DIM	INCHES	MILLIMETERS
C	(.087)	(2.20)
E	.037	0.95
E1	.075	1.90
G	.031	0.80
X	.039	1.00
Y	.055	1.40
Z	.141	3.60