



Unidirectional TVS Diode



APPLICATIONS

- ◆ Cellular Handsets and Accessories
- ◆ Portable Electronics
- ◆ Industrial Controls
- ◆ Set-Top Box
- ◆ Instrumentation
- ◆ Servers, Notebook, and Desktop PC
- ◆ Display Ports

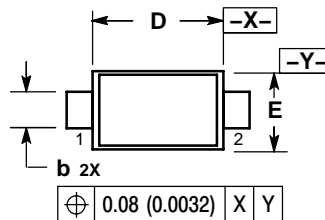
SOD-923



PIN 1. CATHODE
2. ANODE

IEC COMPATIBILITY

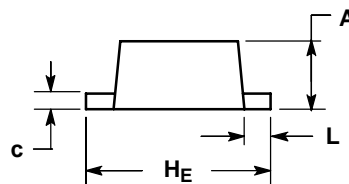
- ◆ IEC61000-4-2 (ESD) $\pm 25\text{kV}$ (air), $\pm 25\text{kV}$ (contact)
- ◆ IEC61000-4-4 (EFT) 40A (5/50 ns)



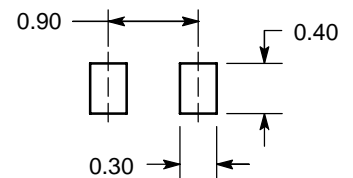
DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.41	0.42	0.43	0.016	0.0167	0.017
b	0.15	0.20	0.25	0.006	0.008	0.010
c	0.07	0.12	0.17	0.003	0.005	0.007
D	0.75	0.80	0.85	0.030	0.031	0.033
E	0.55	0.60	0.65	0.022	0.024	0.026
H _E	0.95	1.00	1.05	0.037	0.039	0.041
L	0.05	0.10	0.15	0.002	0.004	0.006

FEATURES

- ◆ 120 Watts Peak Pulse Power per Line ($t_p=8/20\mu\text{s}$)
- ◆ Protects one I/O line
- ◆ Low clamping voltage
- ◆ Working voltages : 36V
- ◆ Low leakage current



SOLDERING FOOTPRINT*



MECHANICAL CHARACTERISTICS

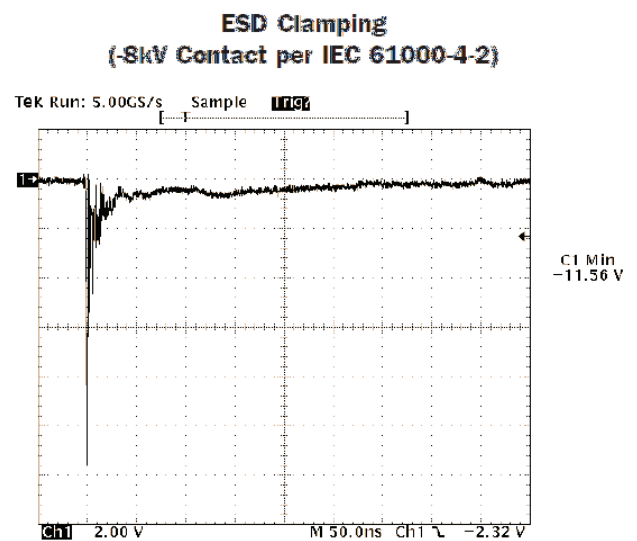
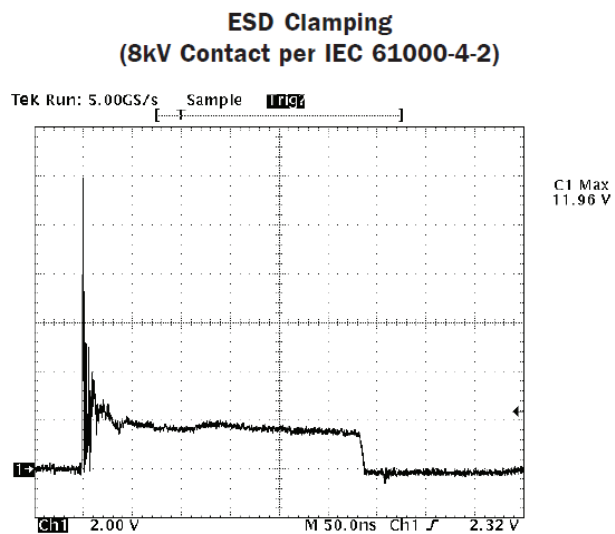
- ◆ Terminals: Gold plated, solderable per
- ◆ Marking Code: TG
- ◆ Mounting position: Any.
Weight: 0.001 grams(approx.).

DEVICE CHARACTERISTICS

LDA36T8G

MAXIMUM RATINGS (@ 25°C Unless Otherwise Specified)			
PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform)	P _{PP}	120	Watts
Lead Soldering Temperature (10 sec.)	T _L	260	°C
Operating Temperature Range	T _J	-55 ~ 150	°C
Storage Temperature Range	T _{STG}	-55 ~ 150	°C

ELECTRICAL CHARACTERISTICS PER LINE (@ 25°C Unless Otherwise Specified)							
PART NUMBER	DEVICE MARKING	V _{RWM} (V) (max.)	V _B (V) (min.)	I _T (mA)	V _C @ 0.8A (max.)	I _R (μA) (max.)	C _T (pF) (typ.)
LDA36T8G	TG	36	40	1	57	1	25



DEVICE CHARACTERISTICS

LDA36T8G

Marking Code

Part Number	Marking Code
LDA36T8G	TG



xx = Product type marking code

Standard Packaging

Case Type	Qty Per Reel	Reel Size
	(Pcs)	(inch)
0402/SOD-923	5,000	7