

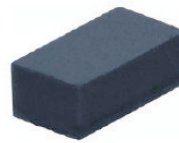


Unidirectional TVS Diode

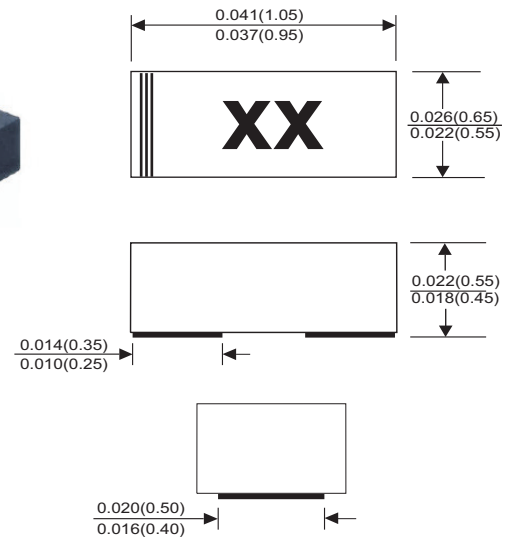


APPLICATIONS

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



0402/SOD-923F



Dimensions in inches and (millimeter)

IEC COMPATIBILITY

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

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

Circuit diagram



MECHANICAL CHARACTERISTICS

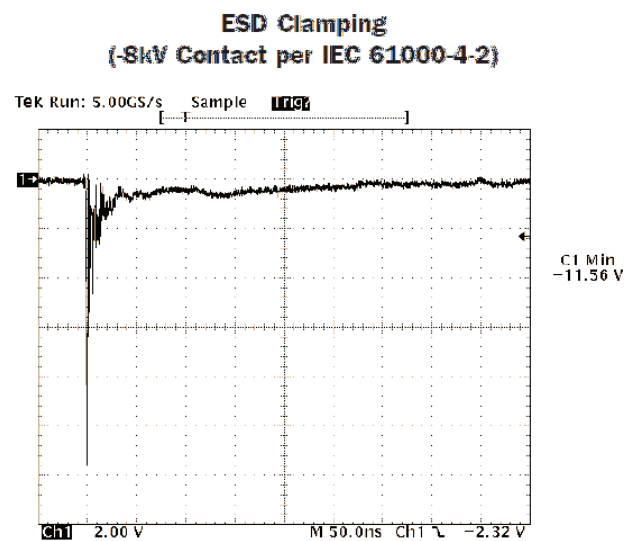
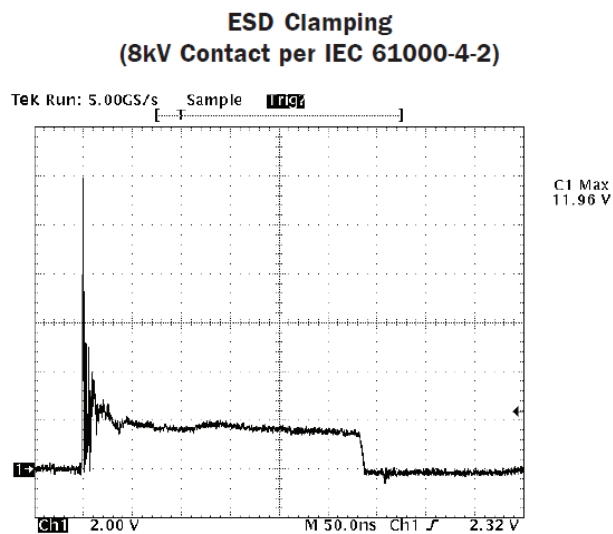
- ◆ Case: 0402/SOD-923F standard package, molded plastic.
- ◆ Terminals: Gold plated, solderable per
- ◆ Marking Code: LDA36T8: T8
- ◆ Mounting position: Any.
Weight: 0.001 grams(approx.).

DEVICE CHARACTERISTICS

LDA36T8

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.)
LDA36T8	T8	36	40	1	57	1	25



DEVICE CHARACTERISTICS

LDA36T8

Marking Code

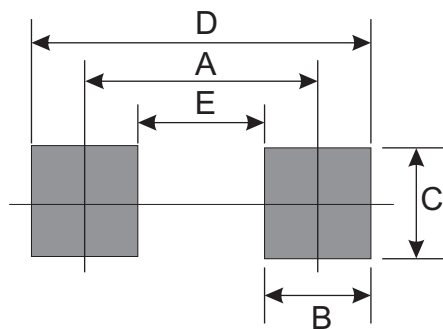
Part Number	Marking Code
LDA36T8	T8



xx = Product type marking code

Suggested PAD Layout

SIZE	0402/SOD-923F	
	(mm)	(inch)
A	0.75	0.030
B	0.50	0.020
C	0.70	0.028
D	1.25	0.049
E	0.25	0.010



Standard Packaging

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