SEMICONDUCTOR

DATA SHEET

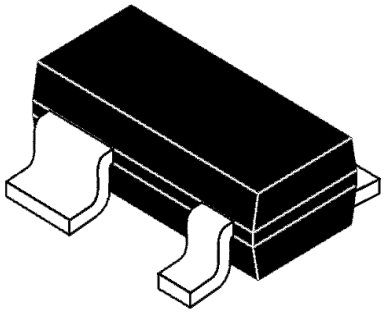
YSLC1202DT4

LOW CAPACITANCE TVS DIODE ARRAY

APPLICATIONS

- High-Speed Data Lines
- Microprocessor Based Equipment
- LAN/WAN Equipment
- Notebooks, Desktops, and Servers
- Instrumentation
- RS232 / RS485 Interfaces

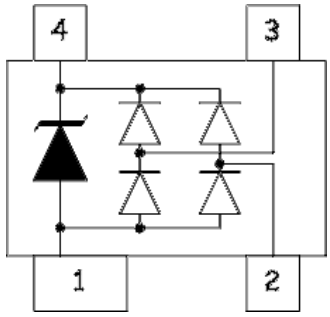
SOT-143



IEC COMPATIBILITY

- IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50 η s)

PIN CONFIGURATION



FEATURES

- 400 Watts Peak Pulse Power per Line (tp=8/20μs)
- Protects Two High-Speed I/O Lines
- Low Capacitance For High-Speed Interfaces
- Low Clamping And Operating Voltage
- RoHS Compliant

MECHANICAL CHARACTERISTICS

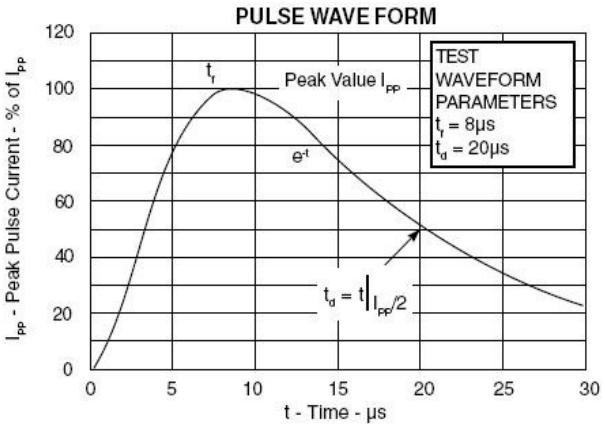
- SOT-143 Package
- Molding Compound Flammability Rating : UL 94V-O
- Weight 9.0 Millgrams (Approximate)
- Quantity Per Reel : 3,000pcs
- Reel Size : 7 inch
- Lead Finish : Lead Free

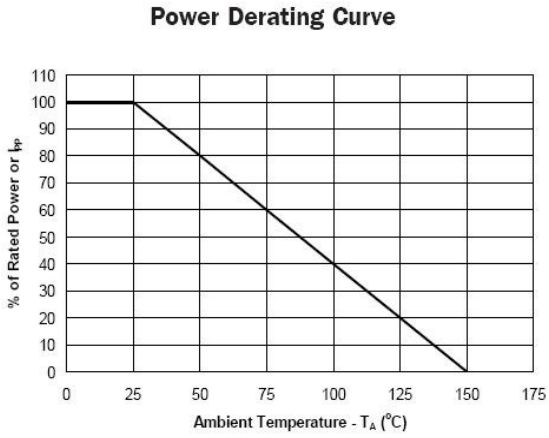
DEVICE CHARACTERISTICS

YSLC1202DT4

MAXIMUM RATINGS (@ 25℃ Unless Otherwise Specified)			
PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform)	P_{PP}	400	Watts
Lead Soldering Temperature	T_L	260 (10 sec.)	℃
Operating Temperature Range	T_J	-55 ~ 150	℃
Storage Temperature Range	T_{STG}	-55 ~ 150	℃

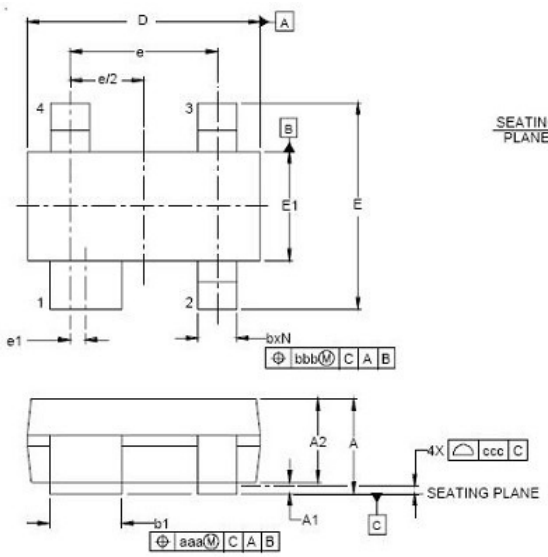
ELECTRICAL CHARACTERISTICS PER LINE (@ 25℃ Unless Otherwise Specified)									
PART NUMBER	DEVICE MARKING	V_{RWM} (V) (max.)	V_B (V) (min.)	I_T (mA)	V_C @1A (max.)	V_C (max.)	(@A)	I_R (μA) (max.)	C_T (pF) (typ.)
YSLC1202DT4	LKD	12	13.3	1	18	30	13	1	3

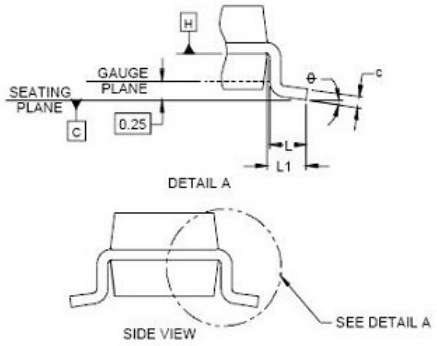




PACKAGE OUTLINE & DIMENSIONS

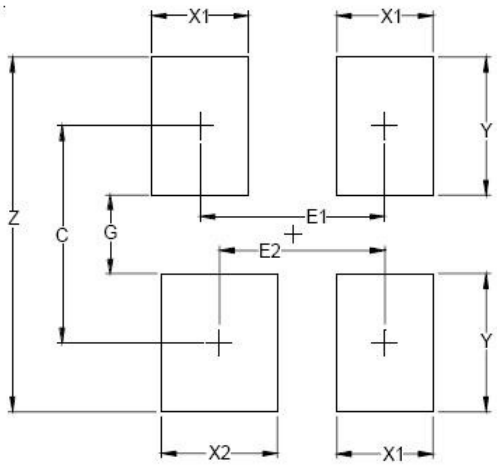
YSLC1202DT4





DIMENSIONS						
DIM	INCHES			MILLIMETERS		
	MIN	NOM	MAX	MIN	NOM	MAX
A	.031	-	.048	0.80	-	1.22
A1	.000	-	.008	0.013	-	0.15
A2	.029	.035	.042	0.75	0.90	1.07
b	.011	-	.020	0.30	-	0.51
b1	.029	-	.037	0.76	-	0.94
c	.003	-	.008	0.08	-	0.20
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			1.92 BSC		
e1	.008			0.20 BSC		
L	.015	.020	.024	0.40	0.50	0.60
L1	(.021)			(0.54)		
N	4			4		
θ	0°	-	8°	0°	-	8°
aaa	.005			0.15		
bbb	.008			0.20		
ccc	.004			0.10		

* SOLDERING FOOTPRINT



DIMENSIONS		
DIM	INCHES	MILLIMETERS
C	(.087)	(2.20)
E1	.076	1.92
E2	.068	1.72
G	.031	0.80
X1	.039	1.00
X2	.047	1.20
Y	.055	1.40
Z	.141	3.60