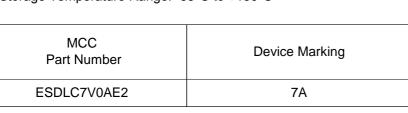


## Features

- Protects One Data or Power Line
- Ultra Low Leakage
- Low Clamping Voltage
- Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free. "Green" Device (Note 1)
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

## **Maximum Ratings**

- Operating Junction Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +150°C



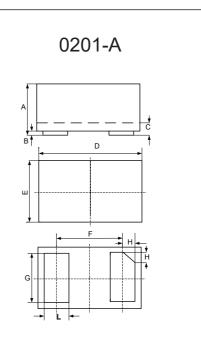
IEC61000-4-2(ESD)	Air Contact	±30KV ±30KV	
Peak Pulse Current(8/20µs)	I <sub>PP</sub>	6A	
Peak Pulse Power (8/20µs)	P <sub>PK</sub>	100W	

Note: 1. Halogen free "Green" products are defined as those which contain <900ppm bromine, <900ppm chlorine (<1500ppm total Br + Cl) and <1000ppm antimony compounds.

**Internal Structure** 

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DIMENSIONS					
DIM	INC	HES M		M	NOTE
Diwi	MIN	MAX	MIN	MAX	
А	0.009	0.013	0.23	0.33	
В	0.000	0.002	0.00	0.05	
С	0.005	0.007	0.12	0.18	
D	0.022	0.026	0.55	0.65	
Е	0.010	0.014	0.25	0.35	
F	0.0	014	0.3	355	TYP.
G	0.008	0.011	0.22	0.28	
Н	0.0	003	0.0	079	TYP.
L	0.006	0.009	0.16	0.22	
SUGGESTED SOLDER PAD LAYOUT					
+ 0.25					
	0.4	0.15	1	0.65	
+					
		o	.3 -		



## Electrical Characteristics @ 25°C (Unless Otherwise Specified)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Working Voltage	V <sub>RWM</sub>				7	V
Reverse Breakdown Voltage	V <sub>BR</sub>	I <sub>T</sub> = 1mA	7.5			V
Reverse Leakage Current	I <sub>R</sub>	V <sub>RWM</sub> = 7V			0.2	μA
Clamping Voltage	V <sub>C</sub>	I <sub>PP</sub> =1A, t <sub>P</sub> =8/20μs			9	V
Clamping Voltage	V <sub>C</sub>	I <sub>PP</sub> =6A, t <sub>P</sub> =8/20μs			17	V
Junction Capacitance	CJ	$V_R = 0V, f = 1MHz$		15		pF



# **Curve Characteristics**

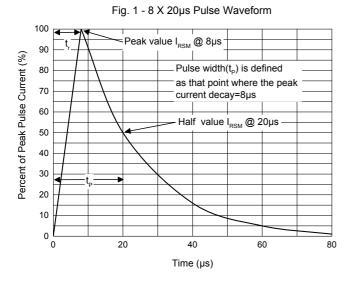
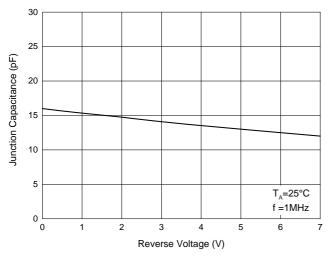
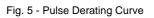


Fig. 3 - Capacitance Characteristics





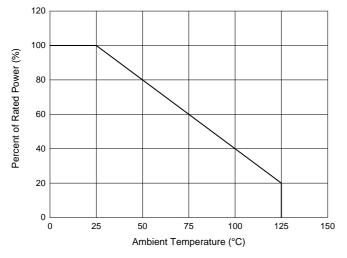


Fig. 2 - Non-Repetitive Peak Pulse Power

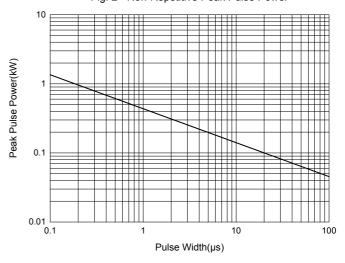
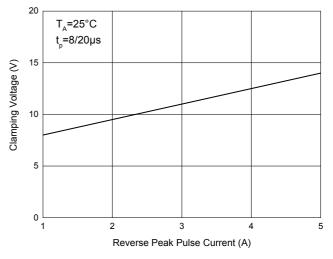


Fig. 4 - Clamping Voltage Characteristics





## **Ordering Information**

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

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