

**Micro Commercial Components** 

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## **Features**

- SOD-323 package
- Low clamping voltage
- IEC61000-4-2(ESD)+15kvV(air),+8kv(contact)
- 350W peak pulse power (8/20 us)
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

## **Maximum Ratings**

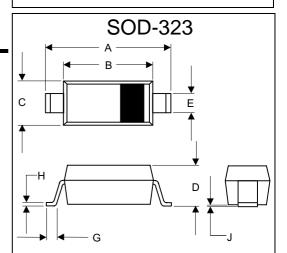
**Pin Configuration-Top View** 

UNIDIRECTIONAL

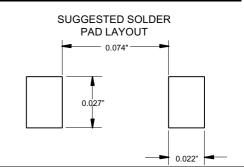
Parameter	Symbol	Limits	unit
Peak pulse power 8/20us	Ppp	350	W
Operating Temperature	Tj	-55~+150	°C
Storage temperature	T <sub>stg</sub>	-55~+150	°C

# ESDLC3V3D3 Thru ESDLC12VD3

## 3.3V-12Volts ESD Protection Device



	DIMENSIONS				
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
Α	.090	.107	2.30	2.70	
В	.063	.071	1.60	1.80	
С	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
Е	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
Н	.004	.010	0.10	0.25	
J		.006		0.15	



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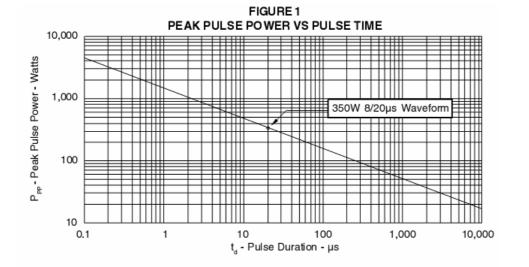
### Revision: E

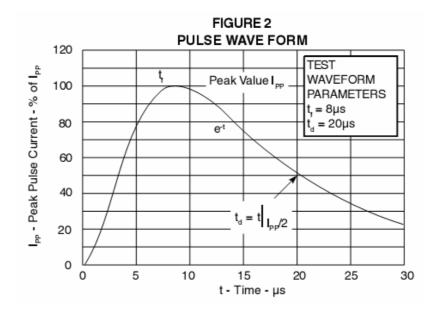
# ESDLC3V3D3-ESDLC12VD3



**ELECTRICAL CHARACTERISTICS** (T<sub>A</sub> = 25°C unless otherwise noted)

Device	V <sub>RWM</sub>	I <sub>R</sub> @ V <sub>RWM</sub>	Min Breakdown Voltage V <sub>BR</sub> @1mA	Max Clam Voltage @ I <sub>P=1A</sub>	-	Typ. Cj @0V,1MHZ	Device Marking
	Volts	uA	Volts	Volts	Volts	pF	
ESDLC3V3D3	3.3	20	4.0	7.0	36.0@28.0A	4.5	03
ESDLC5V0D3	5	5	6.0	9.8	32.0@21.0A	5	05
ESDLC12VD3	12	5	13.3	19.0	28.6@11.0A	3	12/SA





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Downloaded from: http://www.datasheetcatalog.com/



### **Ordering Information :**

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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