

CFTVS3V3B

3.3V, Transient Voltage Suppressor in the SOD-882 package

SOD-882



Top View



Bottom View

Central Semiconductor's CFTVS3V3B is a low leakage, fast response, bi-directional TVS in the space saving SOD-882 surface mount package. This device is designed to protect sensitive equipment connected to high speed data lines against ESD damage.

Features:

- Low leakage current
- 30kV ESD protection (Air)

Applications:

- Data line protection
- User interface protection
- Charging/power port protection

Benefits:

- Low idle power consumption
- Low profile
- Space saving SOD-882 package

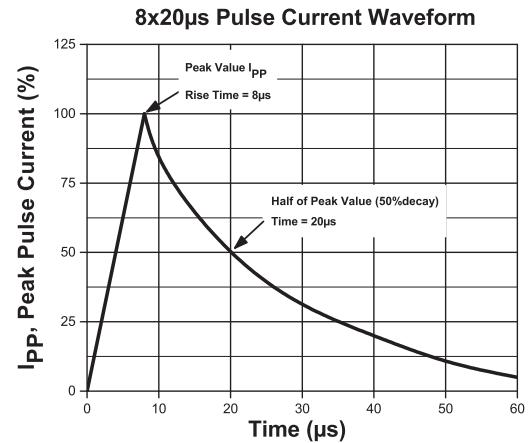
Literature



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Typical Electrical Characteristic



Samples



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Use QR reader for direct link to product web page,



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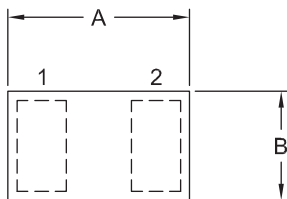
Maximum Ratings (T _A = 25°C)				Electrical Characteristics: (T _A = 25°C unless otherwise noted)							
PPK (8x20µs)	V _{ESD} (Air)	T _J	T _{stg}	Maximum Reverse Stand-off Voltage V _{RWM}	Minimum Breakdown Voltage V _{BR} @ I _T	Test Current I _T	Maximum Reverse Leakage Current I _R @ V _{RWM}	Maximum Clamping Voltage V _C @ I _{PP}	Typical Clamping Voltage TLP (Note 1) V _C @ I _{PP}	Typical Dynamic Resistance R _{DYN}	Maximum Junction Capacitance @ 0V Bias C _J
MAX (W)	MAX (kV)	MAX (°C)	MAX (°C)	(V)	(V)	(µA)	(µA)	(V)	(V)	(Ω)	(pF)
40	30	-55 to +125	-55 to +150	3.3	3.5	2.0	0.5	6.5 @ 1.0A 8.0 @ 5.0A	7.0 @ 1.0A 9.0 @ 5.0A	0.25	10

Notes: (1) Test using Transmission Line Pulse (TLP) conditions: Z₀=50Ω, tp=100ns.

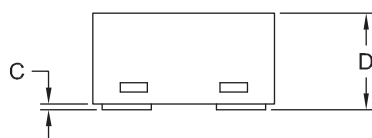
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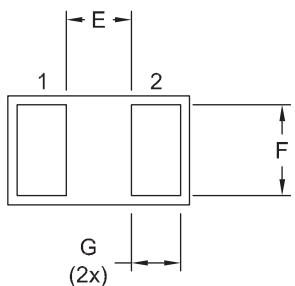
Mechanical Drawing - SOD-882



TOP VIEW



SIDE VIEW



BOTTOM VIEW R2

SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.037	0.042	0.95	1.05
B	0.022	0.026	0.55	0.65
C	0.000	0.002	0.00	0.05
D	0.017	0.022	0.45	0.55
E	0.014		0.36	
F	0.017	0.022	0.45	0.55
G	0.008	0.013	0.22	0.32

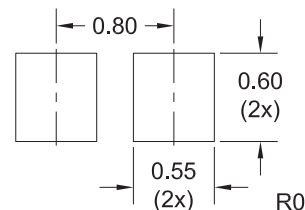
SOD-882 (REV:R2)

Lead Code:

- 1) Anode 1
- 2) Anode 2

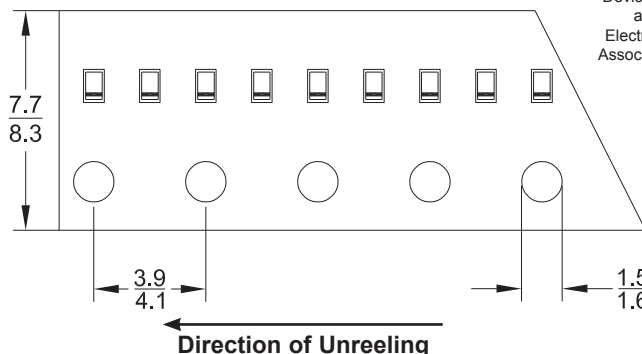
Marking Code: 3

Mounting Pad Geometry (Dimensions in mm)



Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 8mm



* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-1-A

Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
7"	8,000 pcs.	CFTVS3V3B TR

Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
7"	9	72,000	9x9x5	23x23x13	3	2
	18	144,000	9x9x9	23x23x23	6	3
	40	320,000	21x9x9	53x23x23	13	6
	108	864,000	27x9x17	69x23x43	34	16

Sample devices available upon request. To order samples visit: www.centrasemi.com/info/CFTVS3V3B



For further information contact:
Sales at Central Semiconductor Corp.
(631) 435-1110 or visit:
www.centrasemi.com