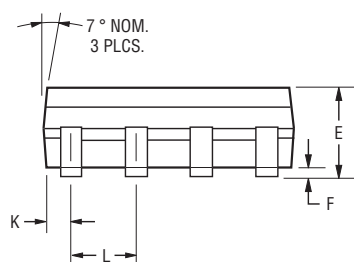
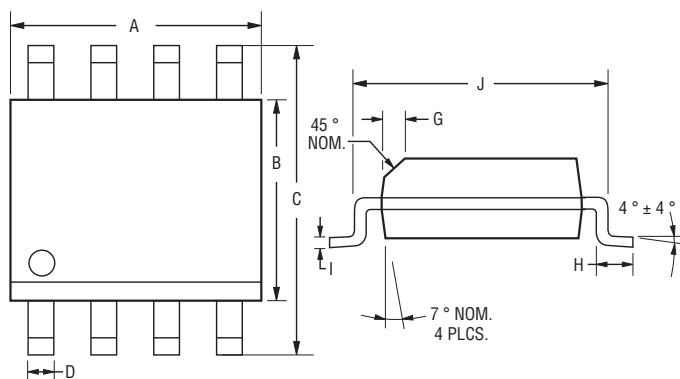


CDNBS08-SLVU2.8-4 - Low Capacitance TVS Array

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Product Dimensions

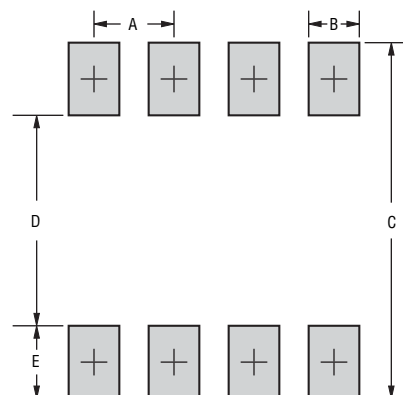
This is an RoHS compliant molded JEDEC narrow body SO-8 package with 100 % Sn plating on the lead frame. It weighs approximately 15 mg and has a flammability rating of UL 94V-0.



DIMENSIONS = $\frac{\text{MILLIMETERS}}{(\text{INCHES})}$

Dimensions	
A	$\frac{4.80 - 5.00}{(0.189 - 0.197)}$
B	$\frac{3.81 - 4.00}{(0.150 - 0.157)}$
C	$\frac{5.80 - 6.20}{(0.228 \pm 0.244)}$
D	$\frac{0.36 - 0.51}{(0.014 - 0.020)}$
E	$\frac{1.35 - 1.75}{(0.053 - 0.069)}$
F	$\frac{0.102 - 0.203}{(0.004 - 0.008)}$
G	$\frac{0.25 - 0.50}{(0.010 - 0.020)}$
H	$\frac{0.51 - 1.12}{(0.020 - 0.044)}$
I	$\frac{0.190 - 0.229}{(0.0075 - 0.0090)}$
J	$\frac{4.60 - 5.21}{(0.181 - 0.205)}$
K	$\frac{0.28 - 0.79}{(0.011 - 0.031)}$
L	$\frac{1.27}{(0.050)}$

Recommended Footprint



Dimensions	
A	$\frac{1.143 - 1.397}{(0.045 - 0.065)}$
B	$\frac{0.635 - 0.889}{(0.025 - 0.035)}$
C	$\frac{6.223}{(0.245)} \text{ Min.}$
D	$\frac{3.937 - 4.191}{(0.155 - 0.165)}$
E	$\frac{1.016 - 1.27}{(0.040 - 0.050)}$

Typical Part Marking

CDNBS08-SLVU2.8-4 **B** SL4

How to Order

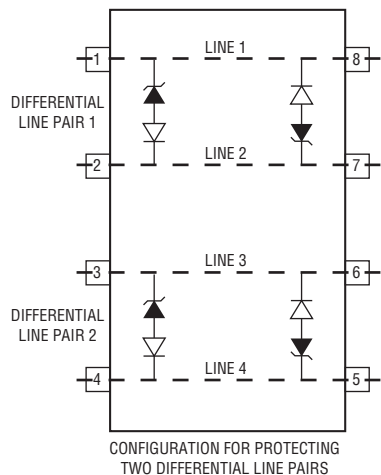
CD NBS08 - SLVU 2.8 - 4

Common Code _____
 Chip Diode _____
 Package _____
 NBS08 = Narrow Body SOIC8 Package
 Model _____
 SLVU = Low Capacitance TVS Array
 Working Peak Reverse Voltage _____
 2.8 = 2.8 V_{RWM} (Volts)
 Number of Diodes _____

Specifications are subject to change without notice.
 Users should verify actual device performance in their specific applications.
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CDNBS08-SLVU2.8-4 - Low Capacitance TVS Array

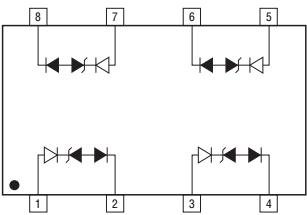
Application Diagram



Device Pinout

Pin	Unidirectional Common Mode	Bidirectional Common Mode	Bidirectional Differential Mode
1	Line 1	Line 1	Line Pair 1
2	GND	GND	Line Pair 1
3	Line 3	GND	Line Pair 2
4	GND	Line 2	Line Pair 2
5	Line 4	Line 2	Line Pair 2
6	GND	GND	Line Pair 2
7	Line 2	GND	Line Pair 1
8	GND	Line 1	Line Pair 1

Block Diagram

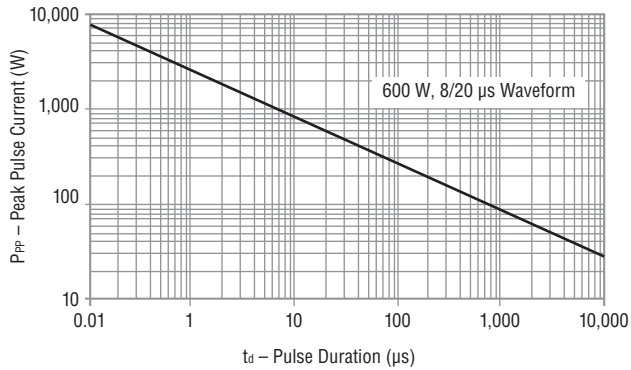


CDNBS08-SLVU2.8-4 - Low Capacitance TVS Array

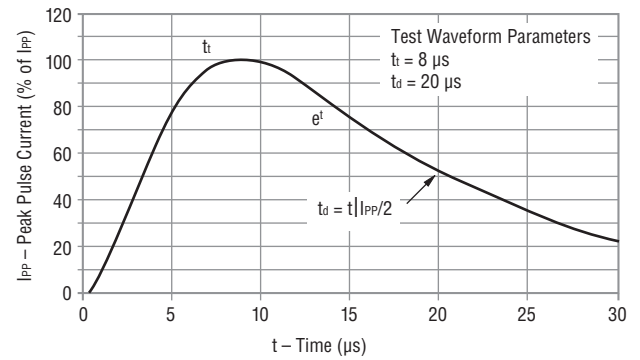
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Performance Graphs

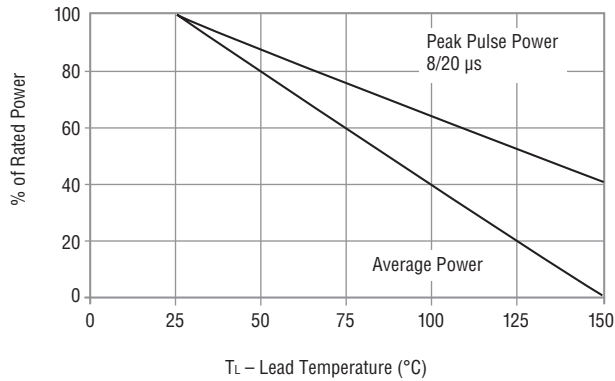
Peak Pulse Power vs Pulse Time



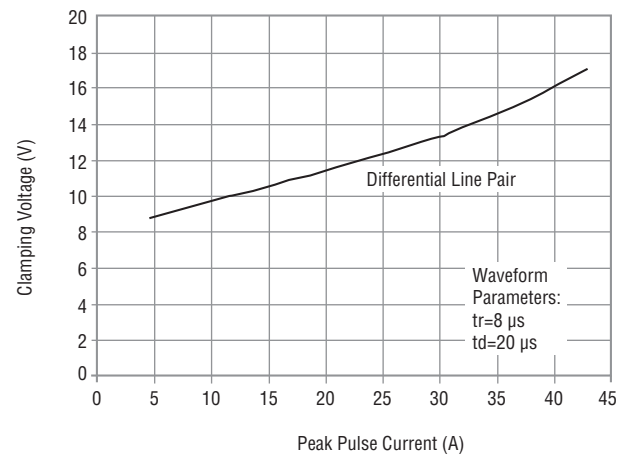
Pulse Waveform



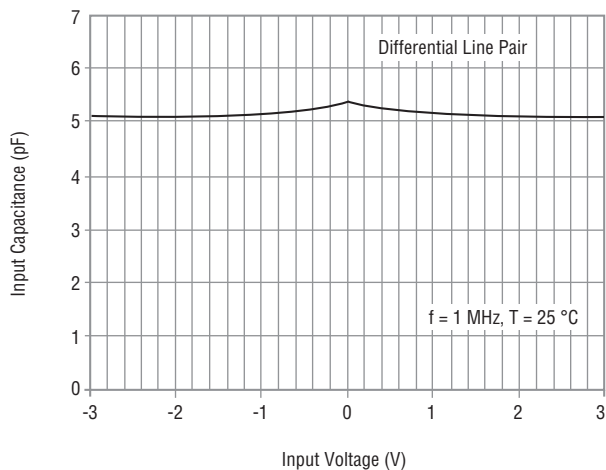
Power Derating Curve



Clamping Voltage vs. Peak Pulse Current



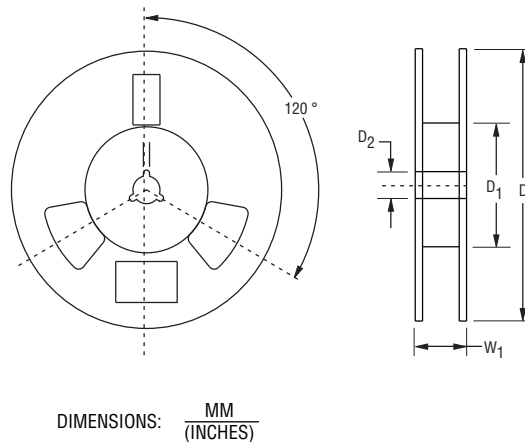
Variation of C_{in} vs. V_{in}



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The product is packaged in tape and reel format per EIA-481 standard.



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