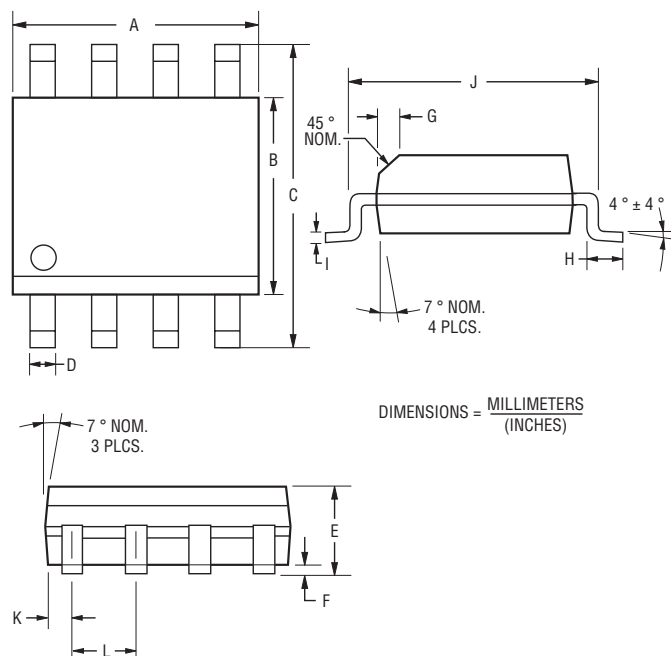


CDNBS08-SRDaxx-4 Series - Steering Diode/TVS Array Combo

BOURNS®

Product Dimensions

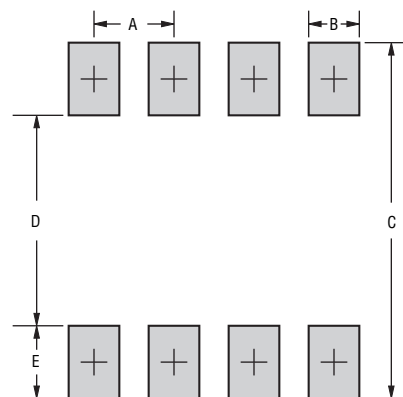
This is an RoHS compliant molded JEDEC narrow body SO-8 package with 100 % Sn plating on the lead frame. It weighs approximately 15 mg and has a flammability rating of UL 94V-0.



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

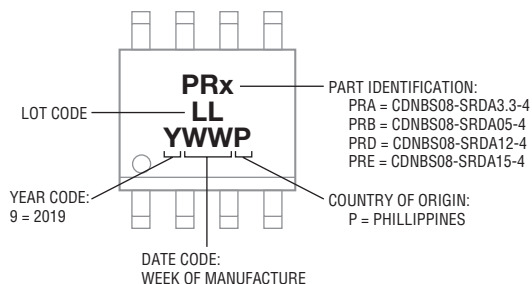
Dimensions	
A	$\frac{4.80 - 5.00}{(0.189 - 0.197)}$
B	$\frac{3.81 - 4.00}{(0.150 - 0.157)}$
C	$\frac{5.80 - 6.20}{(0.228 \pm 0.244)}$
D	$\frac{0.36 - 0.51}{(0.014 - 0.020)}$
E	$\frac{1.35 - 1.75}{(0.053 - 0.069)}$
F	$\frac{0.102 - 0.203}{(0.004 - 0.008)}$
G	$\frac{0.25 - 0.50}{(0.010 - 0.020)}$
H	$\frac{0.51 - 1.12}{(0.020 - 0.044)}$
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

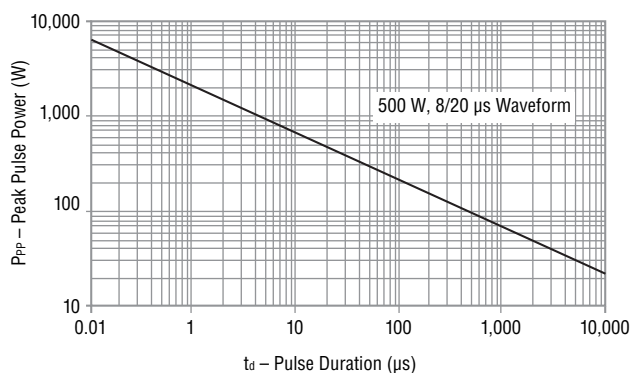


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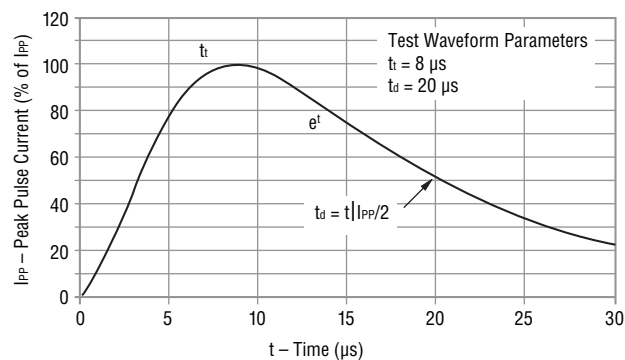
CDNBS08-SRDAXX-4 Series - Steering Diode/TVS Array Combo

Performance Graphs

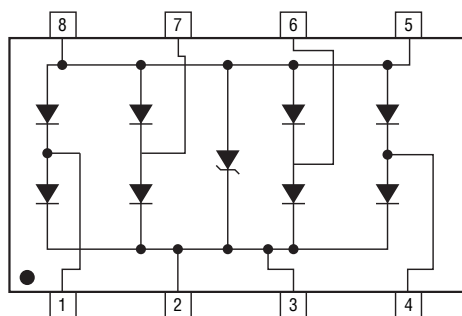
Peak Pulse Power vs Pulse Time



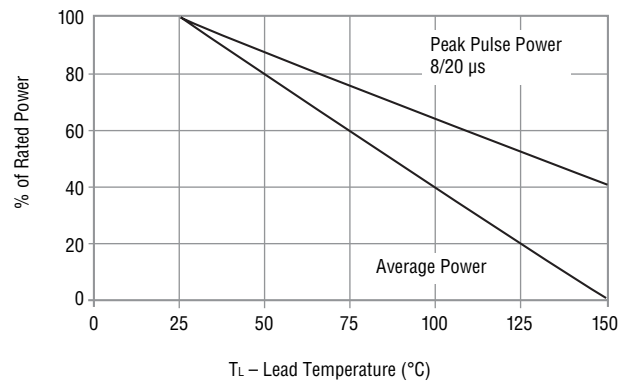
Pulse Waveform



Block Diagram



Power Derating Curve



Device Pinout

Pin	Function
1	I/O 1
2	+ V_{REF}
3	+ V_{REF}
4	I/O 2
5	GND
6	I/O 3
7	I/O 4
8	GND

How to Order

CD NBS08 - SRDA 3.3 - 4

Common Code _____
Chip Diode

Package _____
NBS08 = Narrow Body SOIC8 Package

Model _____
SRDA = Steering/TVS Diode Array

Working Peak Reverse Voltage _____
3.3 = 3.3 V_{RWM} (Volts)

Number of Protection Lines _____
4 = 4 Lines

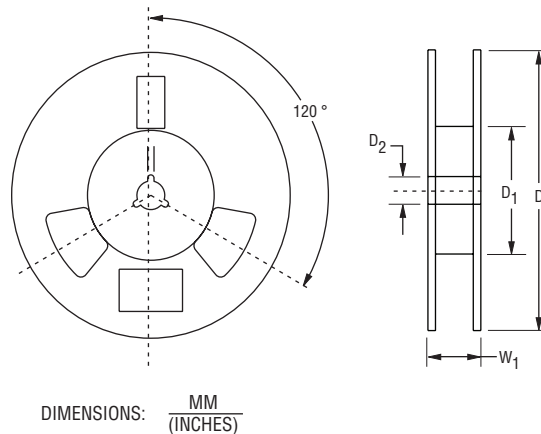
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The product is packaged in tape and reel format per EIA-481 standard.

REV. 01/20

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