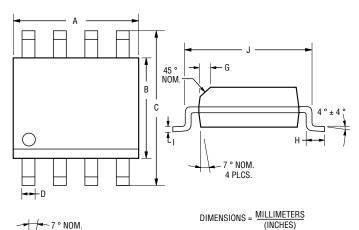
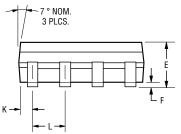
CDNBS08-T03~T36C - TVS Diode Array Series

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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.

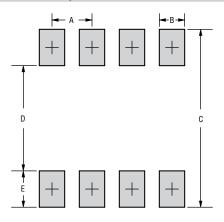




 -	L _F			
Dimensions				
А	<u>4.80 - 5.00</u> (0.189 - 0.197)			
В	<u>3.81 - 4.00</u> (0.150 - 0.157)			
С	5.80 - 6.20 (0.228 ± 0.244)			
D	0.36 - 0.51 (0.014 - 0.020)			

В	3.81 - 4.00 (0.150 - 0.157)		
С	$\frac{5.80 - 6.20}{(0.228 \pm 0.244)}$		
D	0.36 - 0.51 (0.014 - 0.020)		
E	<u>1.35 - 1.75</u> (0.053 - 0.069)		
F	<u>0.102 - 0.203</u> (0.004 - 0.008)		
G	<u>0.25 - 0.50</u> (0.010 - 0.020)		
Н	<u>0.51 - 1.12</u> (0.020 - 0.044)		
I	<u>0.190 - 0.229</u> (0.0075 - 0.0090)		
J	4.60 - 5.21 (0.181 - 0.205)		
К	<u>0.28 - 0.79</u> (0.011 - 0.031)		
L	1.27 (0.050)		

Recommended Footprint

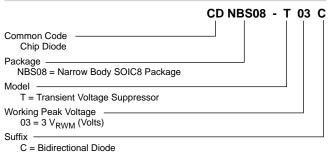


Dimensions					
А	<u>1.143 - 1.397</u> (0.045 - 0.065)				
В	<u>0.635 - 0.889</u> (0.025 - 0.035)				
С	6.223 (0.245) Min.				
D	3.937 - 4.191 (0.155 - 0.165)				
E	1.016 - 1.27 (0.040 - 0.050)				

Typical Part Marking

CDNBS08-T03	SDL	CDNBS08-T12C	SDD
CDNBS08-T03C	SDM	CDNBS08-T15	SDE
CDNBS08-T05	SDA	CDNBS08-T15C	SDF
CDNBS08-T05C	SDB	CDNBS08-T24	SDG
CDNBS08-T08	SDJ	CDNBS08-T24C	SDH
CDNBS08-T08C	SDK	CDNBS08-T36	SDN
CDNBS08-T12	SDC	CDNBS08-T36C	SDP

How to Order



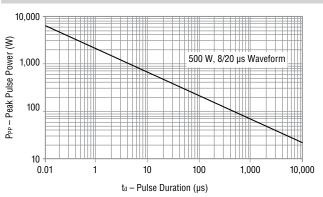
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CDNBS08-T03~T36C - TVS Diode Array Series

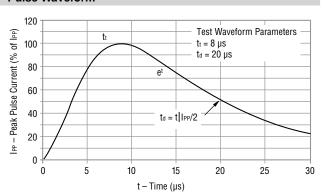
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Performance Graphs

Peak Pulse Power vs Pulse Time

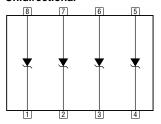


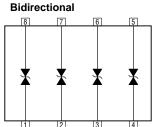
Pulse Waveform



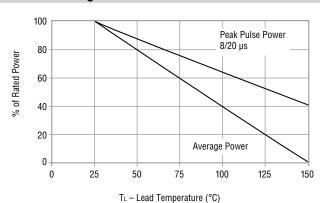
Block Diagram

Unidirectional





Power Derating Curve



Device Pinout

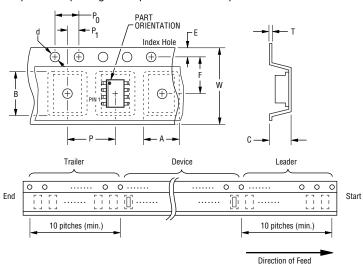
Pin	Function	
1	I/O 1	
2	I/O 2	
3	I/O 3	
4	I/O 4	
5	GND	
6	GND	
7	GND	
8	GND	

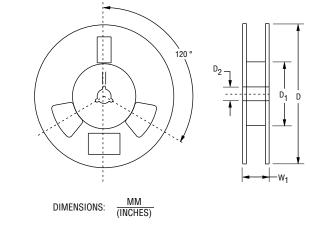
CDNBS08-T03~T36C - TVS Diode Array Series

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Packaging Information

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





Item	Symbol	NSOIC 8L
Carrier Width	А	$\frac{6.7 \pm 0.10}{(0.264 \pm 0.004)}$
Carrier Length	В	$\frac{5.5 \pm 0.10}{(0.217 \pm 0.004)}$
Carrier Depth	С	$\frac{2.10 \pm 0.10}{(0.083 \pm 0.004)}$
Sprocket Hole	d	$\frac{1.55 \pm 0.05}{(0.061 \pm 0.002)}$
Reel Outside Diameter	D	330 (12.992)
Reel Inner Diameter	D ₁	80.0 (3.1500) MIN.
Feed Hole Diameter	D ₂	$\frac{13.0 \pm 0.20}{(0.512 \pm 0.008)}$
Sprocket Hole Position	E	$\frac{1.75 \pm 0.10}{(0.069 \pm 0.004)}$
Punch Hole Position	F	$\frac{3.50 \pm 0.05}{(0.138 \pm 0.002)}$
Punch Hole Pitch	Р	$\frac{8.00 \pm 0.10}{(0.315 \pm 0.004)}$
Sprocket Hole Pitch	P ₀	$\frac{4.00 \pm 0.10}{(0.157 \pm 0.004)}$
Embossment Center	P ₁	$\frac{2.00 \pm 0.05}{(0.079 \pm 0.002)}$
Overall Tape Thickness	Т	$\frac{0.20 \pm 0.10}{(0.008 \pm 0.004)}$
Tape Width	W	$\frac{12.00 \pm 0.20}{(0.472 \pm 0.008)}$
Reel Width	W ₁	18.4 (0.724) MAX.
Quantity per Reel		2500

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