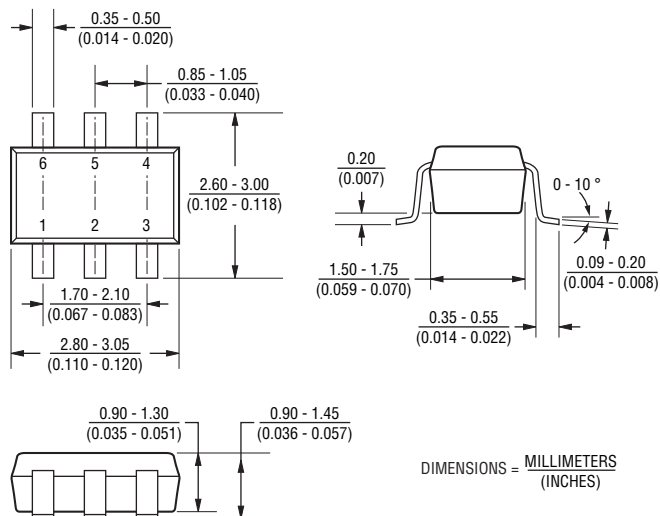


CDSOT236-0502 - Surface Mount TVS Diode Array

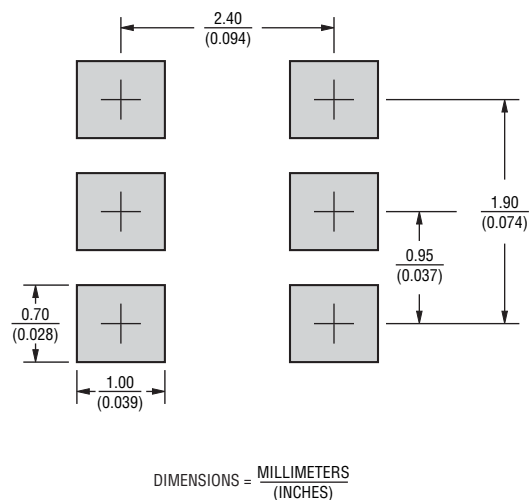
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Product Dimensions

This is a molded SOT236 package with lead free 100 % Matte Sn on the lead frame. It weighs approximately 15 mg and has a flammability rating of UL 94V-0.



Recommended Footprint



Typical Part Marking

CDSOT236-0502.....502

How to Order

CD SOT236 - 05 02

Common Diode _____

Chip Diode _____

Package _____

SOT236 = SOT23-6 Package

Working Peak Reverse Voltage _____

05 = 5 V_{RWM} (Volts)

Number of Lines _____

02 = 2 Data Lines

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

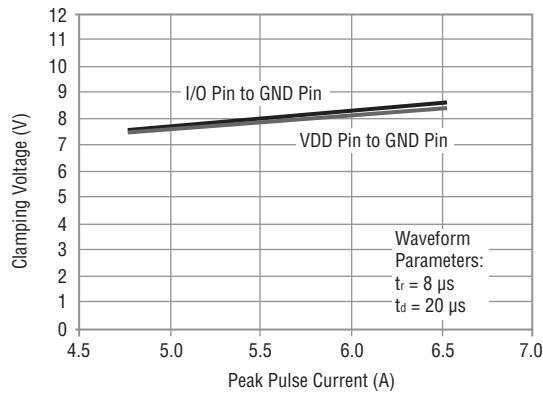
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CDSOT236-0502 - Surface Mount TVS Diode Array

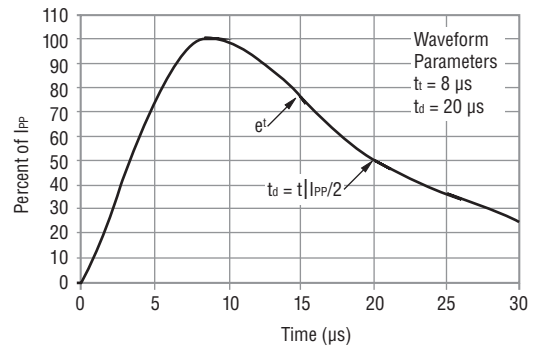
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Rating & Characteristic Curves

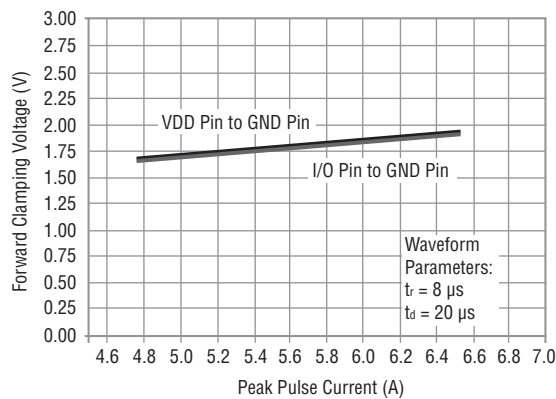
Clamping Voltage vs. Peak Pulse Current



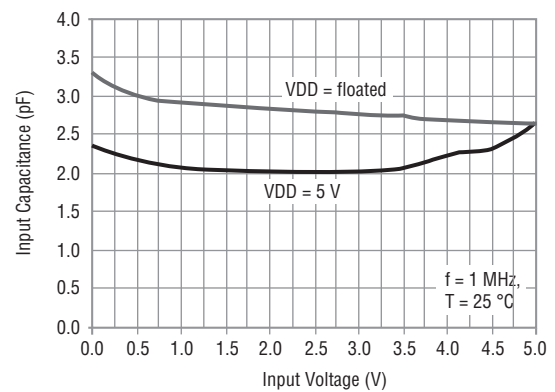
Pulse Waveform



Forward Clamping Voltage vs. Peak Pulse Current



Typical Variation of C_{IN} vs. V_{IN}



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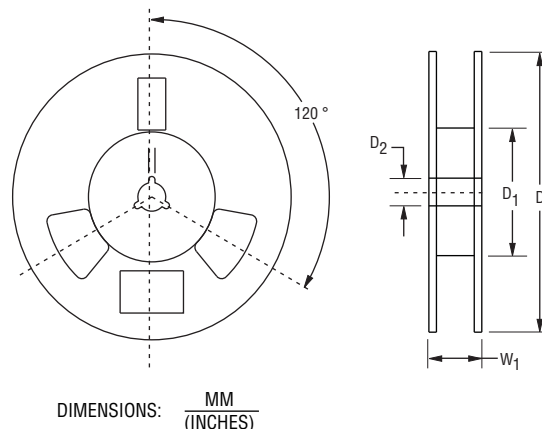
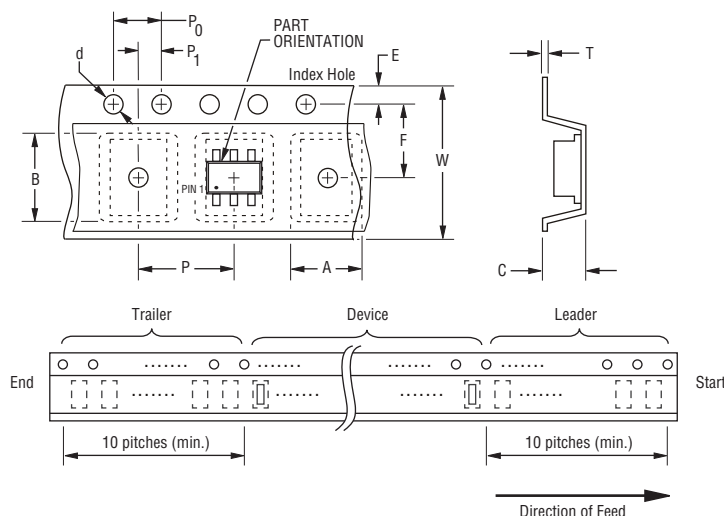
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CDSOT236-0502 - Surface Mount TVS Diode Array

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Packaging Information

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



DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

Item	Symbol	SOT23-6
Carrier Width	A	$\frac{3.90 \pm 0.10}{(0.154 \pm 0.004)}$
Carrier Length	B	$\frac{3.90 \pm 0.10}{(0.154 \pm 0.004)}$
Carrier Depth	C	$\frac{0.90 \pm 0.10}{(0.035 \pm 0.004)}$
Sprocket Hole	d	$\frac{1.55 \pm 0.05}{(0.061 \pm 0.002)}$
Reel Outside Diameter	D	$\frac{178}{(7.008)}$
Reel Inner Diameter	D ₁	$\frac{50.0}{(1.969)} \text{ MIN.}$
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	P	$\frac{4.00 \pm 0.10}{(0.157 \pm 0.004)}$
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	T	$\frac{0.20 \pm 0.10}{(0.008 \pm 0.004)}$
Tape Width	W	$\frac{8.00 \pm 0.20}{(0.315 \pm 0.008)}$
Reel Width	W ₁	$\frac{14.4}{(0.567)} \text{ MAX.}$
Quantity per Reel	--	3000

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REV. 08/19

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