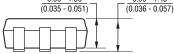
CDSOT23-SRV05-4 — Steering Diode TVS Array Combo

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Mechanical Characteristics

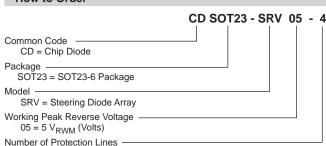
This is a molded JEDEC SOT23-6 package with 100 % Matte Sn on the lead frame. It weighs approximately 15 mg and has a flammability rating of UL 94V-0.

Product Dimensions 0.35 - 0.50 (0.014 - 0.020)0.85 - 1.05 $\overline{(0.033 - 0.040)}$ 0.20 $\overline{(0.007)}$ 2.60 - 3.00 (0.102 - 0.118)1.50 - 1.75 (0.004 - 0.008)(0.059 - 0.070)1.70 - 2.10 (0.067 - 0.083) <u>0.35 - 0.55</u> (0.014 - 0.022) 2.80 - 3.05 (0.110 - 0.120) 0.90 - 1.30 0.90 - 1.45 (0.035 - 0.051)(0.036 - 0.057)

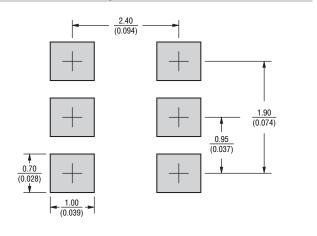


 $\mathsf{DIMENSIONS} = \frac{\mathsf{MILLIMETERS}}{(\mathsf{INCHES})}$

How to Order

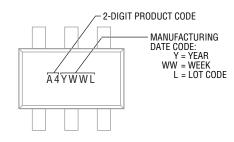


Recommended Footprint



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

Typical Part Marking

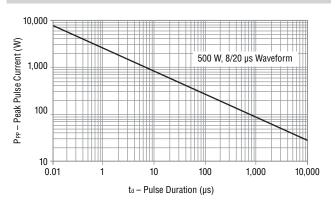


Environmental Specifications

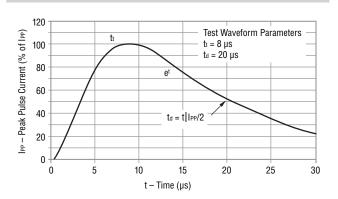
CDSOT23-SRV05-4 — Steering Diode TVS Array Combo

Performance Graphs

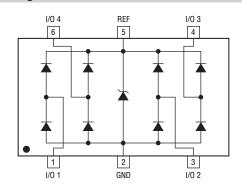
Peak Pulse Power vs. Pulse Time



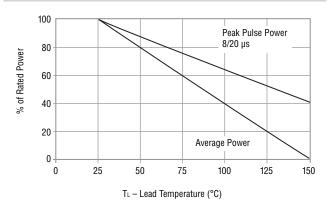
Pulse Waveform



Block Diagram



Power Derating Curve

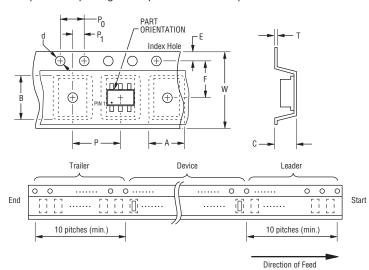


CDSOT23-SRV05-4 — Steering Diode TVS Array Combo

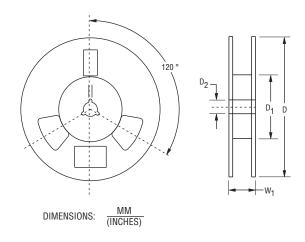
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Packaging Information

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



Item	Symbol	SOT23-6
Carrier Width	А	$\frac{3.90 \pm 0.10}{(0.154 \pm 0.004)}$
Carrier Length	В	$\frac{3.90 \pm 0.10}{(0.154 \pm 0.004)}$
Carrier Depth	С	$\frac{0.90 \pm 0.10}{(0.035 \pm 0.004)}$
Sprocket Hole	d	$\frac{1.55 \pm 0.05}{(0.061 \pm 0.002)}$
Reel Outside Diameter	D	<u>178</u> (7.008)
Reel Inner Diameter	D ₁	50.0 (1.969) MIN.
Feed Hole Diameter	D ₂	$\frac{13.0 \pm 0.20}{(0.512 \pm 0.008)}$
Sprocket Hole Position	Е	$\frac{1.75 \pm 0.10}{(0.069 \pm 0.004)}$
Punch Hole Position	F	$\frac{3.50 \pm 0.05}{(0.138 \pm 0.002)}$
Punch Hole Pitch	Р	$\frac{4.00 \pm 0.10}{(0.157 \pm 0.004)}$
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	Т	$\frac{0.20 \pm 0.10}{(0.008 \pm 0.004)}$
Tape Width	W	$\frac{8.00 \pm 0.20}{(0.315 \pm 0.008)}$
Reel Width	W ₁	14.4 (0.567) MAX.
Quantity per Reel		3000



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REV. 08/19

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