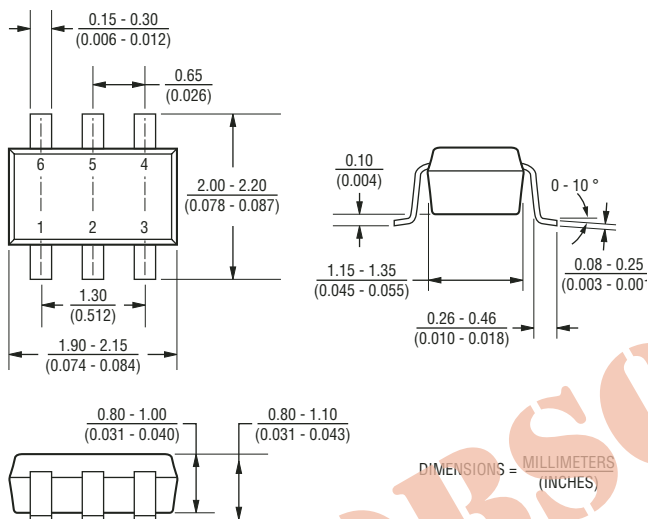


CDSC706-0504F – Surface Mount TVS Diode Array

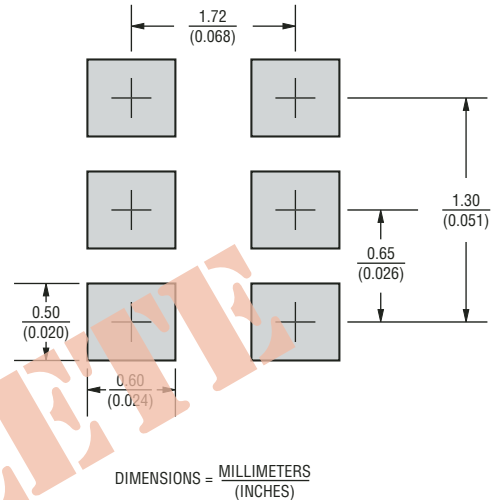
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Product Dimensions

This is a molded JEDEC SC70-6L package with Nickel Palladium-Gold (Ni/Pd/Au) on the lead frame. It weighs approximately 7 mg and has a flammability rating of UL 94V-0.



Recommended Footprint



Typical Part Marking

CDSC706-0504F **A5**

How To Order

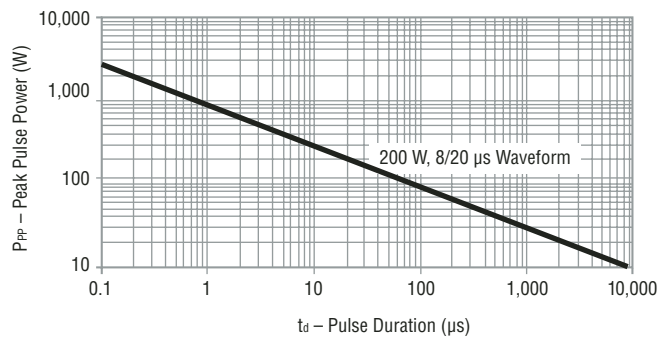
	CD	SC706	-	05	04	F
Common Code	CD					
Package		SC706				
Working Peak Reverse Voltage				05		
Number of Lines					04	
Suffix						F

CDSC706-0504F – Surface Mount TVS Diode Array

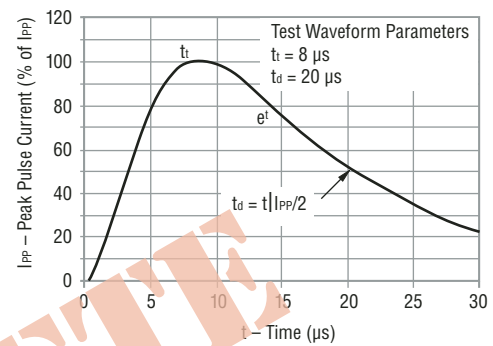
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Performance Graphs

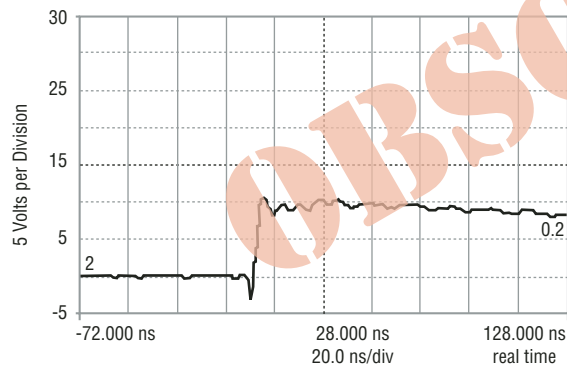
Peak Pulse Power vs Pulse Time



Pulse Waveform

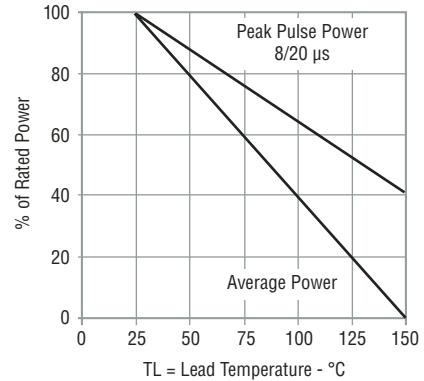


Overshoot & Clamping Voltage



ESD Test Pulse: 25 kilovolt, 1/30 ns (waveshape)

Power Derating Curve

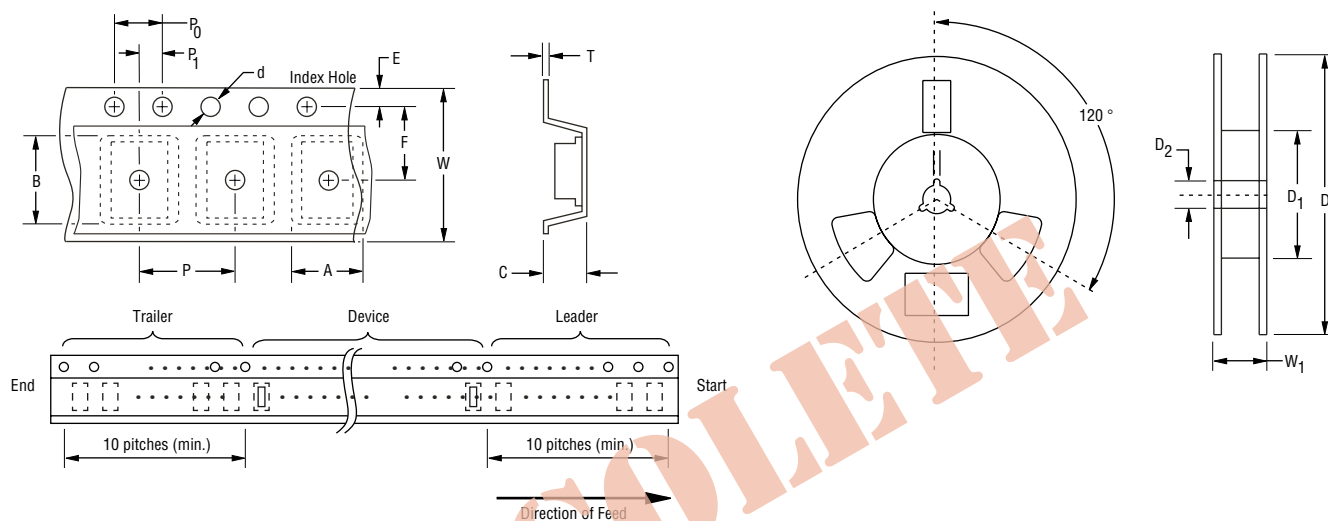


CDSC706-0504F – Surface Mount TVS Diode Array

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Packaging Information

The product is packaged in an 8 mm x 4 mm tape and reel format per EIA-481-A standard.



Item	Symbol	SC70-6L
Carrier Width	A	2.25 ± 0.10 (0.088 - 0.004)
Carrier Length	B	2.34 ± 0.10 (0.092 - 0.004)
Carrier Depth	C	1.22 ± 0.10 (0.048 - 0.004)
Sprocket Hole	d	1.55 ± 0.05 (0.061 - 0.002)
Reel Outside Diameter	D	178 (7.008)
Reel Inner Diameter	D ₁	50.0 (1.969) Min.
Feed Hole Diameter	D ₂	13.0 ± 0.20 (0.512 - 0.008)
Sprocket Hole Position	E	1.75 ± 0.10 (0.069 - 0.004)
Punch Hole Position	F	3.50 ± 0.05 (0.138 - 0.002)
Punch Hole Pitch	P	4.00 ± 0.10 (0.157 - 0.004)
Sprocket Hole Pitch	P ₀	4.00 ± 0.10 (0.157 - 0.004)
Embossment Center	P ₁	2.00 ± 0.05 (0.079 - 0.002)
Overall Tape Thickness	T	0.20 ± 0.10 (0.008 - 0.004)
Tape Width	W	8.00 ± 0.20 (0.315 - 0.008)
Reel Width	W ₁	14.4 (0.567) Max.
Quantity per Reel	—	3,000



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