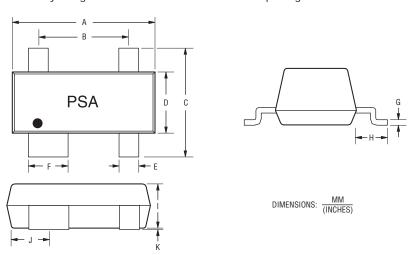
CD143A-SR70 - Steering Diode Array Series

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Product Dimensions

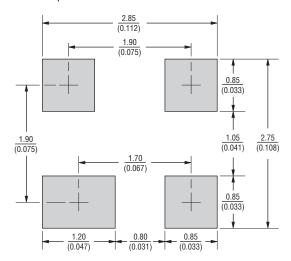
This is a molded JEDEC SOT-143 device. It weighs approximately 35 mg and has a flammability rating of UL 94V-0. The dimensions for the packaged device are shown below.



Dimensions		
А	<u>2.80 - 3.04</u> (0.110 - 0.12)	
В	1.78 - 2.03 (0.070 - 0.080)	
С	<u>2.11 - 2.48</u> (0.083 - 0.098)	
D	<u>1.20 - 1.39</u> (0.047 - 0.055)	
Е	<u>0.39 - 0.50</u> (0.015 - 0.020)	
F	0.79 - 0.93 (0.031 - 0.037)	
G	<u>0.08 - 0.15</u> (0.003 - 0.006)	
Н	0.46 - 0.60 (0.018 - 0.024)	
I	<u>0.84 - 1.14</u> (0.033 - 0.045)	
J	<u>0.72 - 0.83</u> (0.028 - 0.033)	
К	<u>0.013 - 0.10</u> (0.0005 - 0.004)	

Recommended Pad Layout

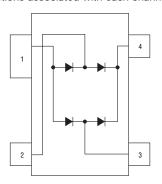
This is the footprint recommended for this SOT-143 device.



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

Block Diagram

The device block diagram below includes the pin names and basic electrical connections associated with each channel.



Typical Part Marking

CD143A-SR70......PSA

Device Pin Out

Pin	Function
1	v_N
2	I/O 1
3	I/O 2
4	V _P

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

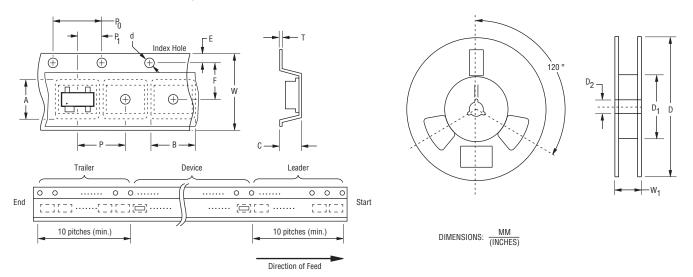
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CD143A-SR70 - Steering Diode Array Series

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Packaging Information

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



Item	Symbol	SOT-143
Carrier Width	А	2.75 ±0.10 (0.108 - 0.004)
Carrier Length	В	$\frac{3.30 \pm 0.10}{(0.130 - 0.004)}$
Carrier Depth	С	1.25 ±0.10 (0.049 - 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	Р	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	Т	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

How To Order		
	CD 143A - SR	70
Common Code ————————————————————————————————————		
Package		
Model SR = Steering Diode Array		
Repetitive Peak Reverse Voltage 70 = 70 VRWM (Volts)		

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