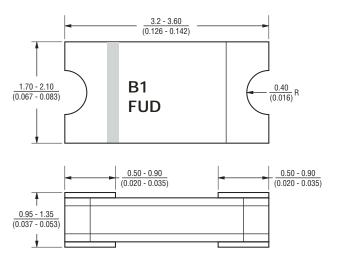
CD1408-FU1200~FU1800 – Surface Mount Rectifier Diode

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Product Dimensions

This is a lead free product, packaged with FRP substrate and is epoxy underfilled. The terminals are pure tin plated and are solderable per MIL-STD-750, Method 2026. The package weighs approximately 0.02 g. The package and dimensions are shown below.



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

Recommended Footprint

The device will mount onto existing JEDEC SOD-87 footprint.

How To Order

	CD 1408 - FU 1 400
Common Code – CD = Chip Diode	
Package 1408 = ~0.14 x 0.08 "	
Function FU = Ultra Fast Rectifier	
Forward Current I _(AV)	
Reverse Voltage 200 = 200 V 400 = 400 V 600 = 600 V 800 = 800 V	

Typical Part Marking

CD1408-FU1200	B1 FUD
CD1408-FU1400	B1 FUG
CD1408-FU1600	B1 FUJ
CD1408-FU1800	B1 FUK

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

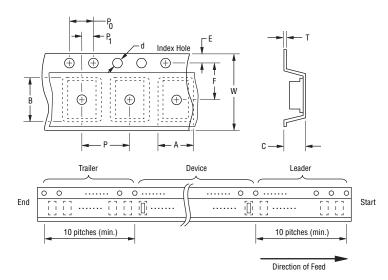
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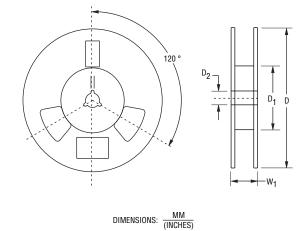
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Packaging Information

The product will be dispensed in Tape and Reel format (see diagram below).





Devices are packed in accordance with EIA standard RS-481-A and specifications shown here.

Item	Symbol	1408
Carrier Width	А	$\frac{1.90 \pm 0.10}{(0.075 - 0.004)}$
Carrier Length	В	$\frac{4.30 \pm 0.10}{(0.169 - 0.004)}$
Carrier Depth	С	$\frac{1.80 \pm 0.10}{(0.071 - 0.004)}$
Sprocket Hole	d	$\frac{1.55 \pm 0.05}{(0.061 - 0.002)}$
Reel Outside Diameter	D	<u>178</u> (7.008)
Reel Inner Diameter	D ₁	80.0 (3.150) Min.
Feed Hole Diameter	D ₂	$\frac{13.0 \pm 0.20}{(0.512 - 0.008)}$
Sprocket Hole Position	E	$\frac{1.75 \pm 0.10}{(0.069 - 0.004)}$
Punch Hole Position	F	$\frac{3.50 \pm 0.05}{(0.138 - 0.002)}$
Punch Hole Pitch	Р	$\frac{4.00 \pm 0.10}{(0.157 - 0.004)}$
Sprocket Hole Pitch	P ₀	$\frac{4.00 \pm 0.10}{(0.157 - 0.004)}$
Embossment Center	P ₁	$\frac{2.00 \pm 0.05}{(0.079 - 0.002)}$
Overall Tape Thickness	Т	$\frac{0.20 \pm 0.10}{(0.008 - 0.004)}$
Tape Width	W	8.00 ±0.20 (0.315 - 0.008)
Reel Width	W ₁	<u>- 13.5</u> (0.531) Max.
Quantity per Reel	_	3,000

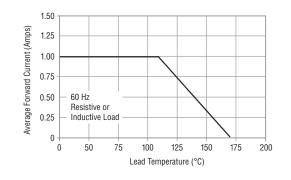
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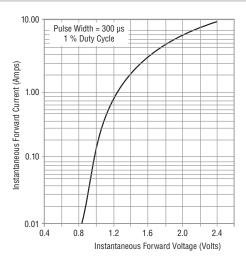
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Performance Graphs

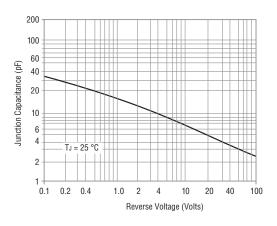
Forward Current Derating Curve



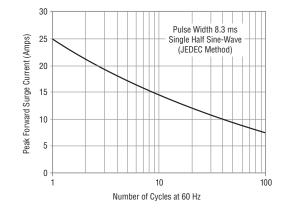
Typical Forward Characteristics



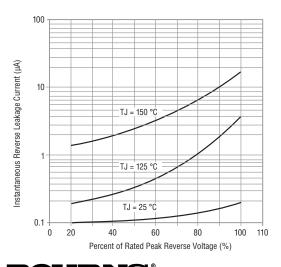
Typical Junction Capacitance



Maximum Non-Repetitive Surge Current



Typical Reverse Characteristics



BOURNS

Asia-Pacific:

Tel: +886-2 2562-4117 • Email: asiacus@bourns.com

Europe:

Tel: +36 88 885 877 · Email: eurocus@bourns.com

The Americas:

Tel: +1-951 781-5500 • Email: americus@bourns.com www.bourns.com

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