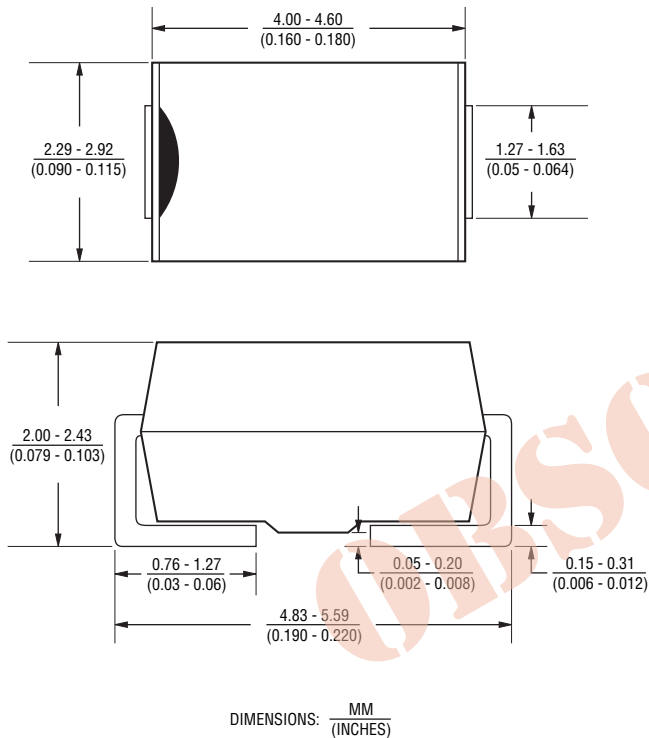


CD214A-F150~F1600 Fast Response Rectifiers

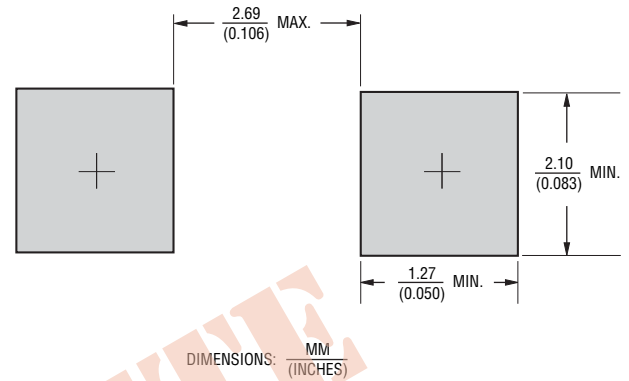
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Product Dimensions

This is an RoHS compliant product using 100 % Sn termination. It is a molded plastic package. A cathode band indicates the polarity. The package weighs approximately 0.064 g. The package and dimensions are shown below.



Recommended Pad Layout



How To Order

	CD 214A - F 1 400
Common Code	CD = Chip Diode
Package	214A = DO214AC
Model Series	F = Fast Response
Forward Current	1 = 1 A
Reverse Voltage	50 = 50 V 100 = 100 V 150 = 150 V 200 = 200 V 400 = 400 V 600 = 600 V

Typical Part Marking

CD214A-F150	F1A
CD214A-F1100	F1B
CD214A-F1150	F1C
CD214A-F1200	F1D
CD214A-F1400	F1G
CD214A-F1600	F1J

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

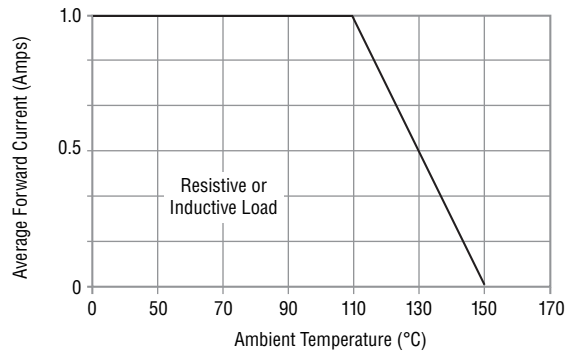
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CD214A-F150~F1600 Fast Response Rectifiers

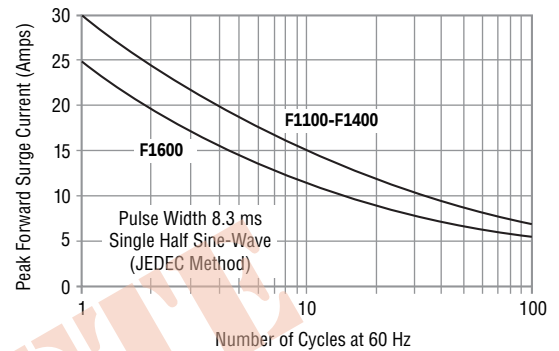
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Performance Graphs

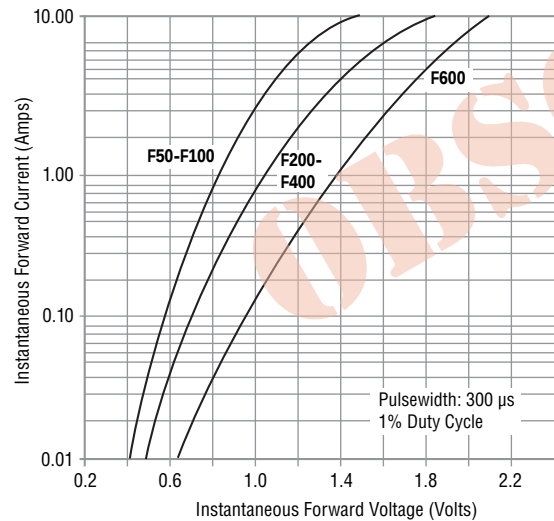
Forward Current Derating Curve



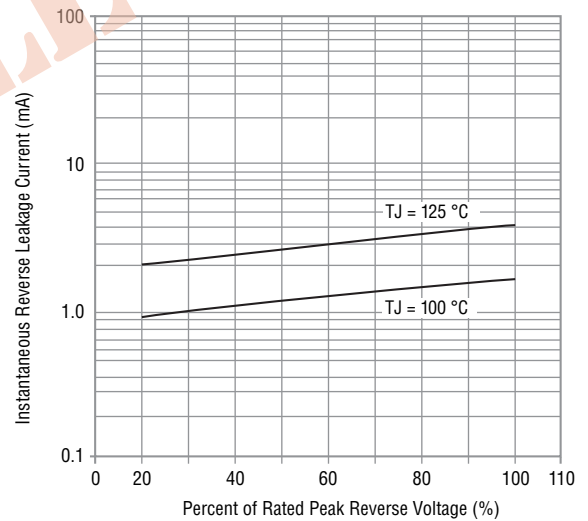
Maximum Non-Repetitive Surge Current



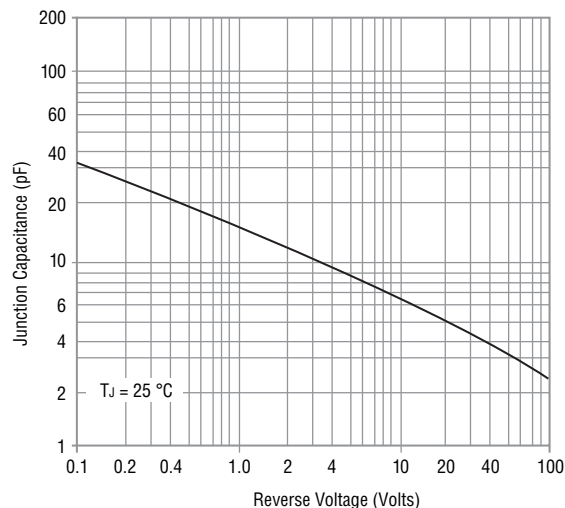
Typical Forward Characteristics



Typical Reverse Characteristics



Typical Junction Capacitance



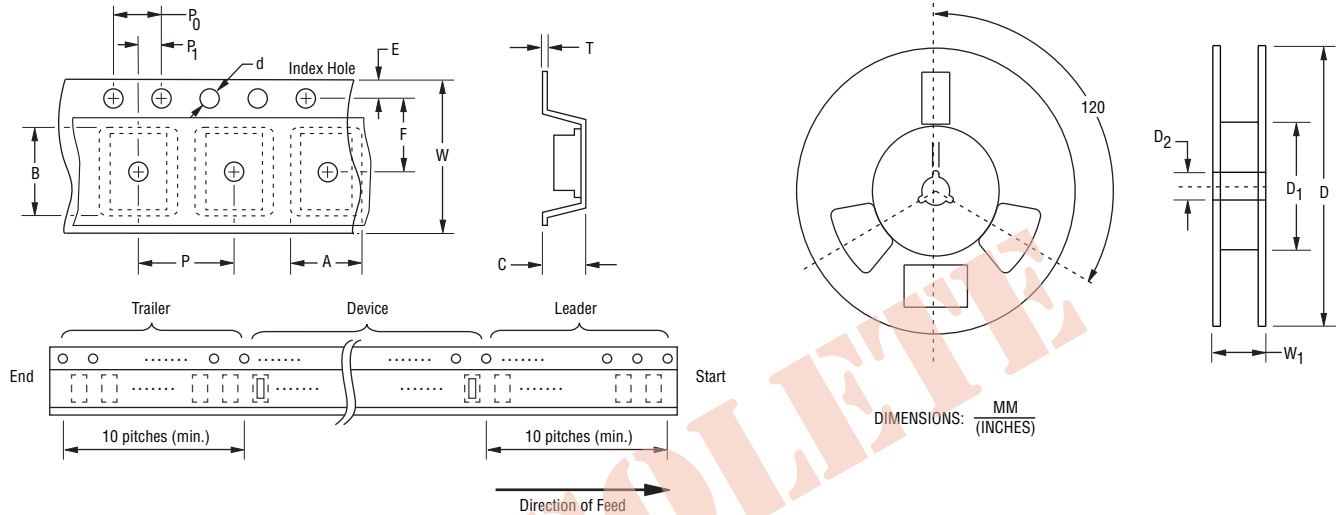
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CD214A-F150~F1600 Fast Response Rectifiers

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Packaging Information

The surface mount product is packaged in a 12 mm x 4 mm tape and reel format per EIA-481 standard.



Item	Symbol	DO-214AC (SMA)
Carrier Width	A	3.42 ± 0.10 (0.134 ± 0.004)
Carrier Length	B	5.07 ± 0.10 (0.199 ± 0.004)
Carrier Depth	C	3.10 ± 0.10 (0.122 ± 0.004)
Sprocket Hole	d	1.55 ± 0.05 (0.061 ± 0.002)
Reel Outside Diameter	D	330 (12.992)
Reel Inner Diameter	D ₁	50.0 Min. (1.969)
Feed Hole Diameter	D ₂	13.0 ± 0.50 (0.512 ± 0.020)
Sprocket Hole Position	E	1.75 ± 0.10 (0.069 ± 0.004)
Punch Hole Position	F	5.50 ± 0.50 (0.217 ± 0.020)
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	0.30 ± 0.10 (0.012 ± 0.004)
Tape Width	W	12.00 ± 0.20 (0.420 ± 0.008)
Reel Width	W ₁	18.7 Max. (0.736)
Quantity per Reel	—	7,500

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