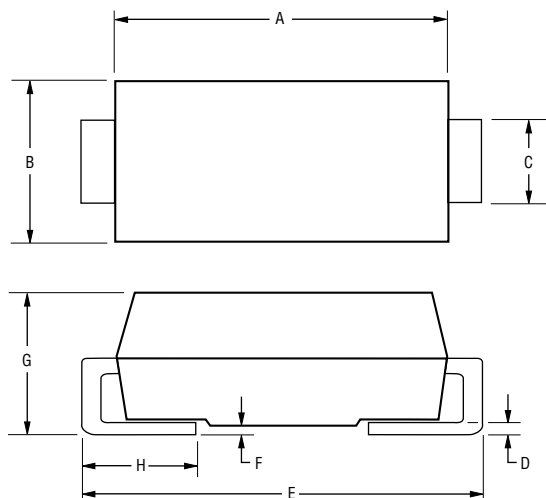


CD214B-B120 ~ B160 Schottky Barrier Rectifier Chip Diode

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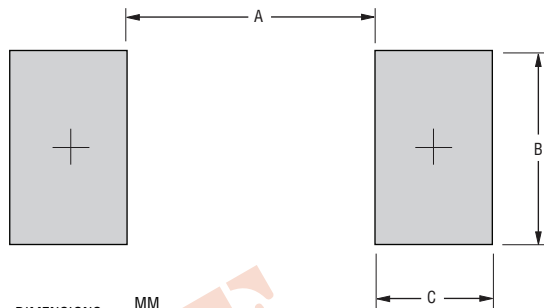
Product Dimensions



Dimension	SMB (DO-214AA)
A	4.06 - 4.57 (0.160 - 0.180)
B	3.30 - 3.94 (0.130 - 0.155)
C	1.96 - 2.21 (0.078 - 0.087)
D	0.15 - 0.31 (0.006 - 0.112)
E	5.21 - 5.59 (0.205 - 0.220)
F	0.05 - 0.20 (0.002 - 0.008)
G	2.01 - 2.62 (0.080 - 0.103)
H	0.76 - 1.52 (0.030 - 0.060)

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

Recommended Pad Layout



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

Dimension	SMA (DO-214AC)
A	2.90 (0.114)
B	3.00 (0.118)
C	2.30 (0.091)

Physical Specifications

Case Molded plastic
Polarity Indicated by cathode band
Weight.....0.003 ounces / 0.093 grams

Typical Part Marking

CD214B-B120 **B** 120B
CD214B-B130 **B** 130B
CD214B-B140 **B** 140B
CD214B-B150 **B** 150B
CD214B-B160 **B** 160B

How To Order

CD 214B - B 1 30 LF

Common Code _____
Chip Diode _____
Package _____
• 214B = SMB/DO-214AA
Model _____
B = Schottky Barrier Series
Average Forward Current (I_o) Code _____
1 = 1 A (Code x 1000 mA = Average Forward Current)
Reverse Voltage (V_R) Code _____
20 = 20 V
30 = 30 V
40 = 40 V
50 = 50 V
60 = 60 V
Terminations _____
LF = 100 % Sn (RoHS Compliant)

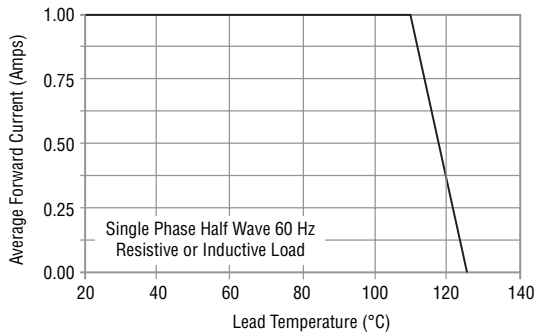
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.

CD214B-B120 ~ B160 Schottky Barrier Rectifier Chip Diode

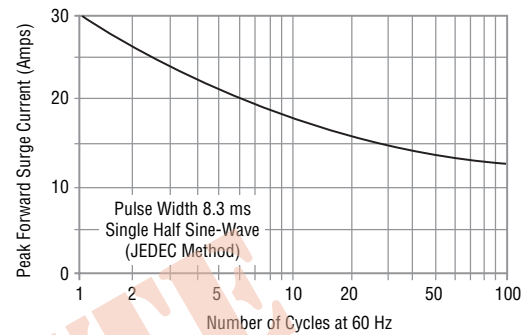
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Rating and Characteristic Curves

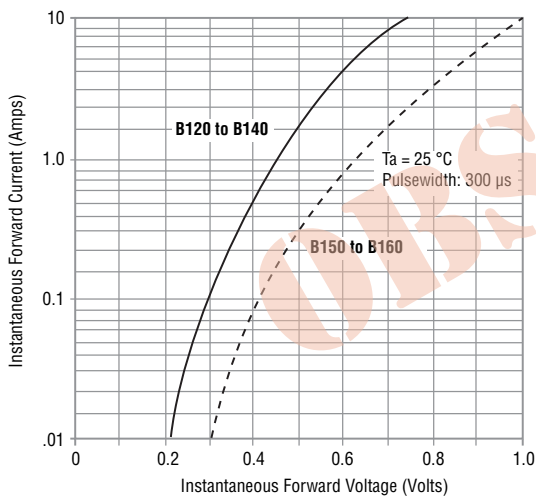
Forward Current Derating Curve



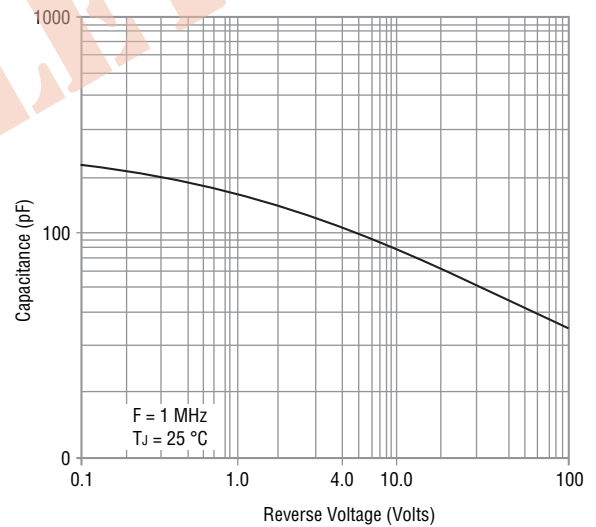
Maximum Non-Repetitive Surge Current



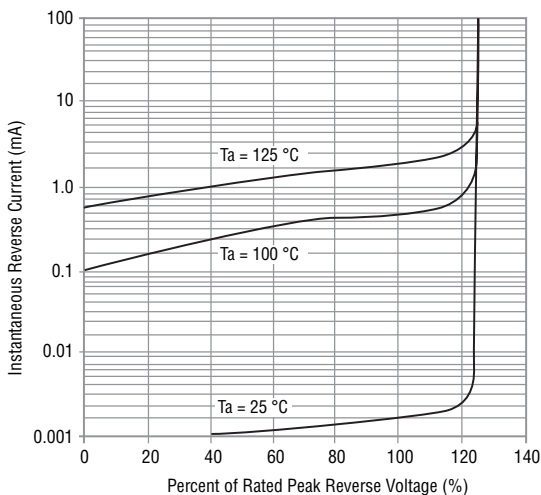
Typical Forward Characteristics



Typical Junction Capacitance



Typical Reverse Characteristics



Specifications are subject to change without notice.

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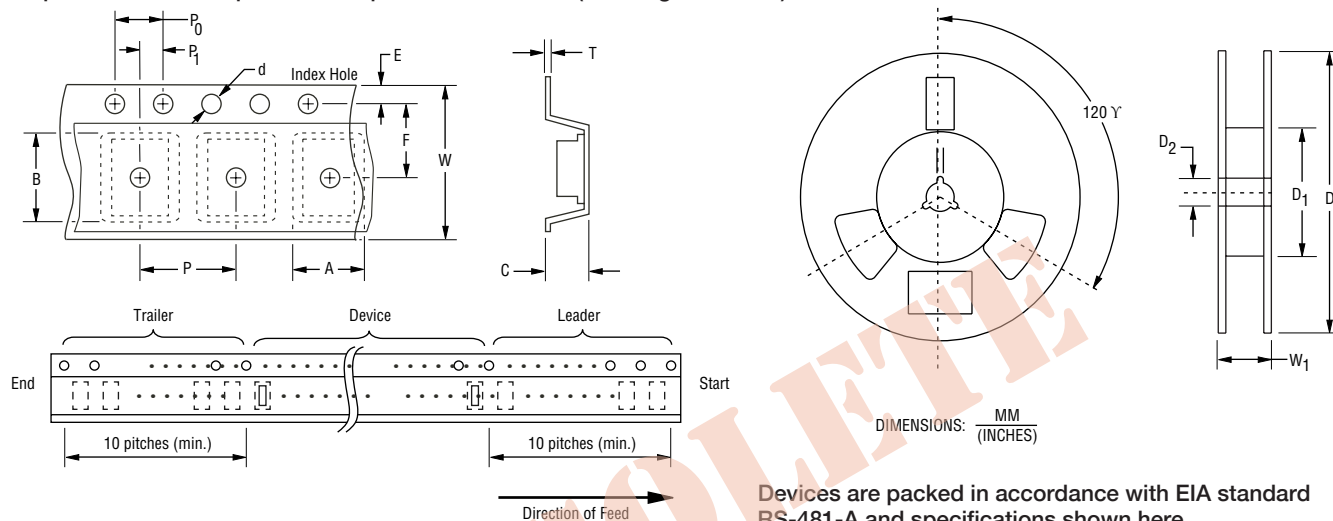
Users should verify actual device performance in their specific applications.

CD214B-B120 ~ B160 Schottky Barrier Rectifier Chip Diode

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Packaging Information

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



Item	Symbol	SMB (DO-214AA)
Carrier Width	A	4.94 ± 0.10 (0.194 ± 0.004)
Carrier Length	B	5.57 ± 0.10 (0.219 ± 0.004)
Carrier Depth	C	2.36 ± 0.10 (0.093 ± 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 (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	5.50 ± 0.05 (0.217 ± 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	0.30 ± 0.10 (0.012 ± 0.004)
Tape Width	W	12.00 ± 0.20 (0.472 ± 0.008)
Reel Width	W ₁	18.4 (0.724) MAX.
Quantity per Reel	--	3,000

REV. 01/18

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