

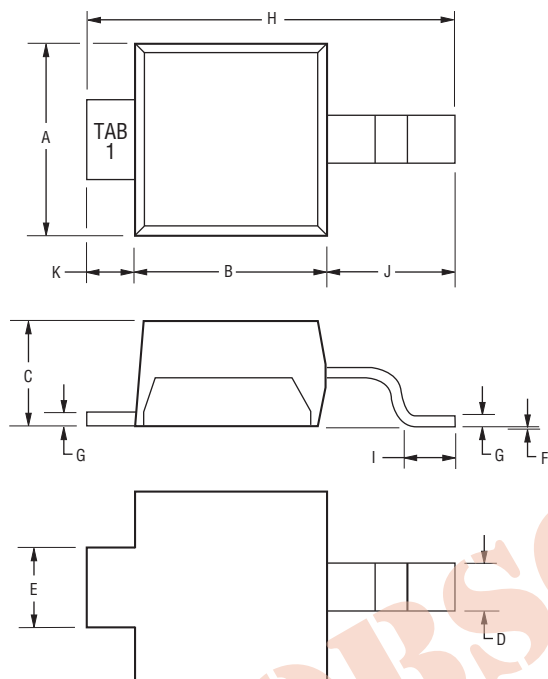
Applications

- Cellular phones
- PDAs
- Desktop PCs and notebooks
- Digital cameras
- MP3 players

CD216A-B120L~B140 MITE Chip Diode

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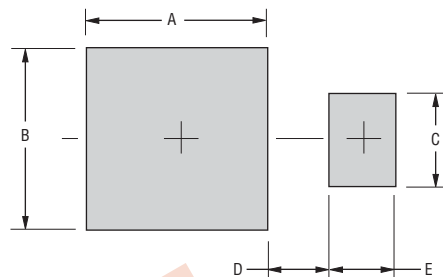
Product Dimensions



Dimension	DO-216AA
A	$\frac{1.75 - 2.05}{(0.069 - 0.081)}$
B	$\frac{1.80 - 2.20}{(0.071 - 0.087)}$
C	$\frac{0.95 - 1.15}{(0.037 - 0.045)}$
D	$\frac{0.42 - 0.68}{(0.017 - 0.027)}$
E	$\frac{0.70 - 1.00}{(0.028 - 0.039)}$
F	$\frac{0.05 - 0.10}{(0.002 - 0.004)}$
G	$\frac{0.10 - 0.25}{(0.004 - 0.010)}$
H	$\frac{3.65 - 3.95}{(0.144 - 0.156)}$
I	$\frac{0.40 - 0.70}{(0.016 - 0.028)}$
J	$\frac{1.10 - 1.50}{(0.043 - 0.059)}$
K	$\frac{0.20 - 0.80}{(0.008 - 0.060)}$

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

Recommended Pad Layout



Dimension	DO-216AA
A	$\frac{2.67}{(0.105)}$
B	$\frac{2.54}{(0.100)}$
C	$\frac{1.27}{(0.050)}$
D	$\frac{0.625}{(0.025)}$
E	$\frac{0.762}{(0.030)}$

Physical Specifications

Case JEDEC 20-216AA Molded plastic
 Polarity..... Cathode designated by TAB 1
 Weight Approximately 0.016 grams
 Mounting Position..... One way

Typical Part Marking

CD216A-B120L B2L
 CD216A-B120R B2E
 CD216A-B130L B3L
 CD216A-B140 B4S

How to Order

CD 216A - B 1 20 L LF

Common Code
 Chip Diode
 Package
 • 216A = DO-216AA
 Model
 B = Schottky Barrier Series
 Average Forward Current (IO) Code
 1 = 1 A (Code x 1000 mA = Average Forward Current)
 Reverse Voltage (VR) Code
 20 = 20 V
 30 = 30 V
 40 = 40 V
 Forward Voltage Suffix
 L = Low Forward Voltage Vf (CD216-B120L, CD216-B130L)
 R = Low Leakage Current IR (CD216-B120R)
 Terminations
 LF = 100 % Sn (RoHS Compliant)

Specifications are subject to change without notice.
 Users should verify actual device performance in their specific applications.

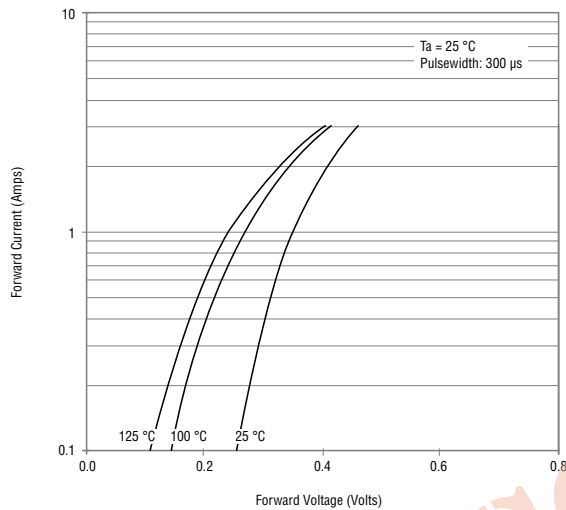
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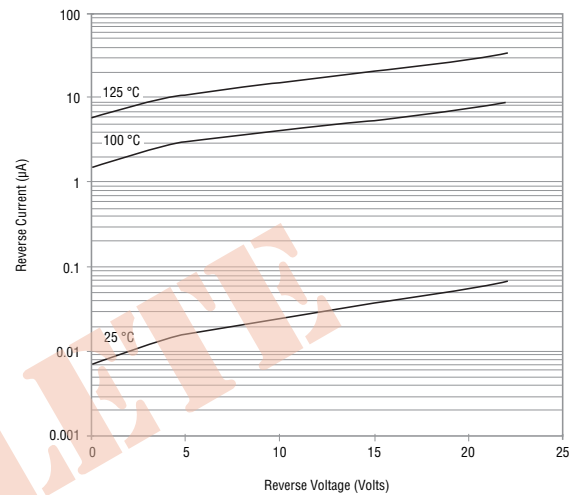
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Rating & Characteristic Curves: CD216A-B120L

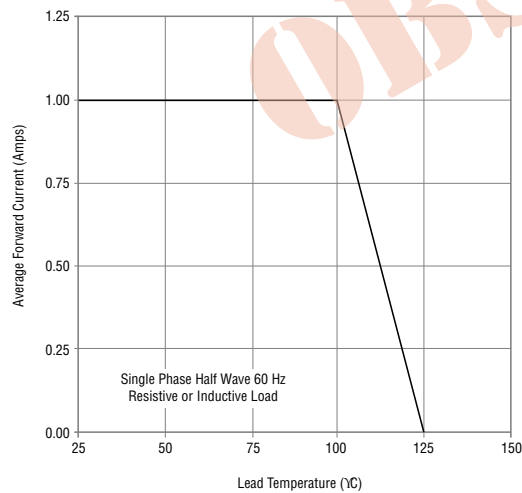
Forward Characteristics



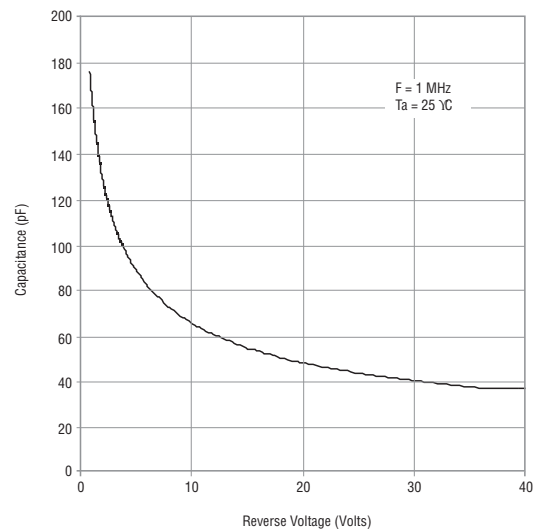
Reverse Characteristics



Derating Curve



Capacitance Between Terminals



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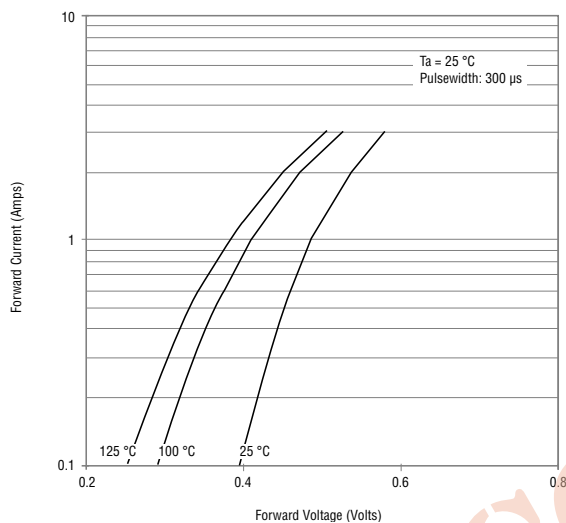
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CD216A-B120L~B140 MITE Chip Diode

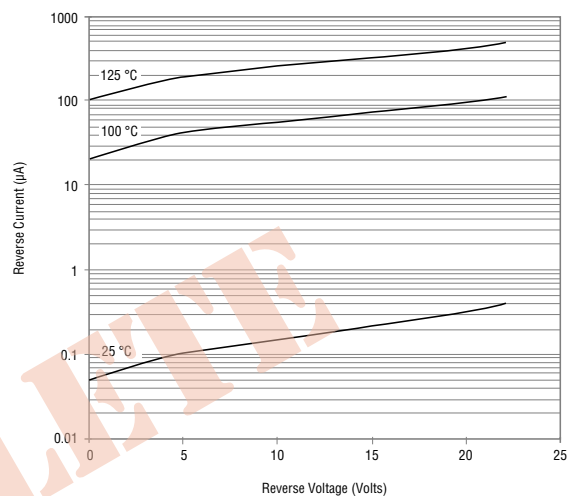
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Rating & Characteristic Curves: CD216A-B120R

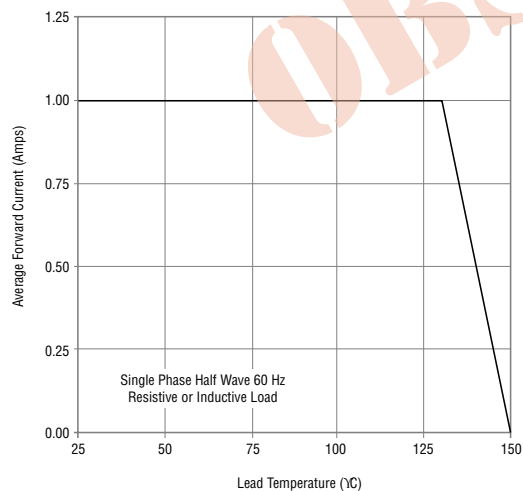
Forward Characteristics



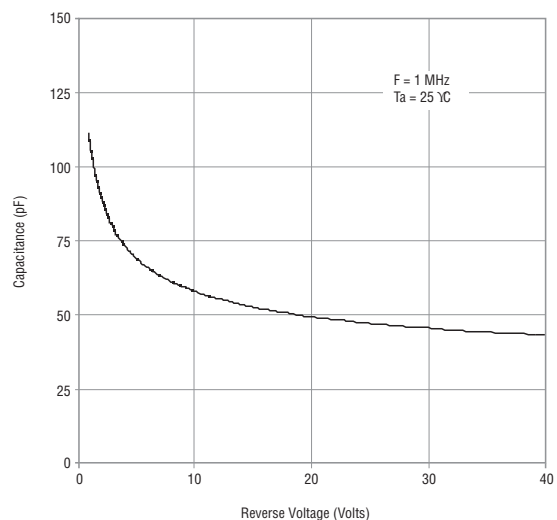
Reverse Characteristics



Derating Curve



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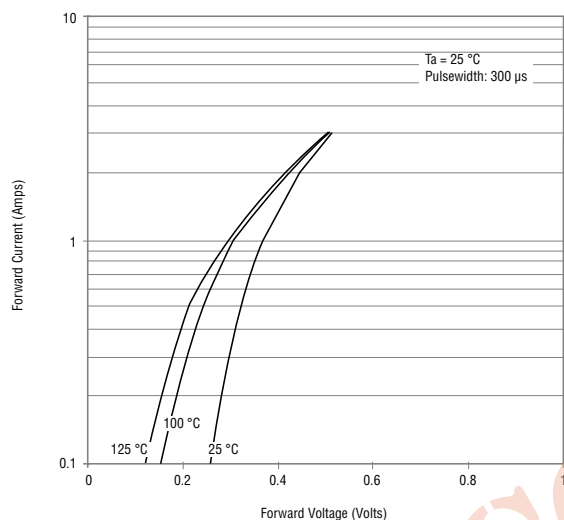
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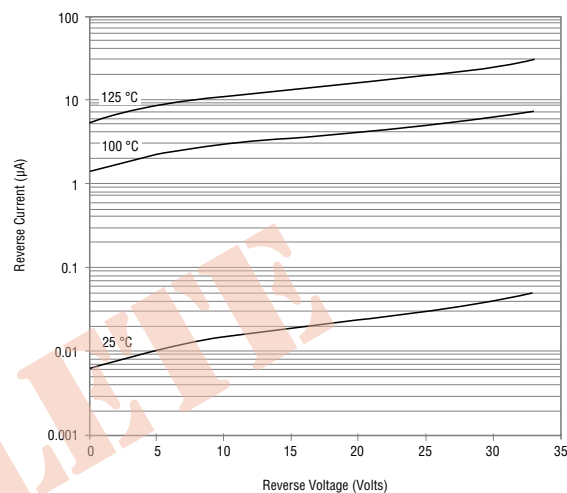
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Rating & Characteristic Curves: CD216A-B130L

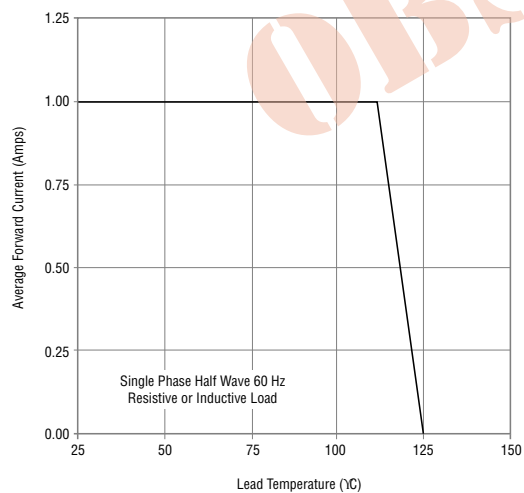
Forward Characteristics



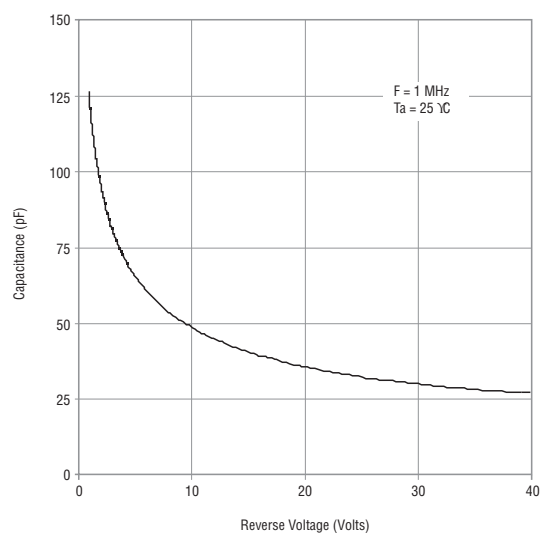
Reverse Characteristics



Derating Curve



Capacitance Between Terminals



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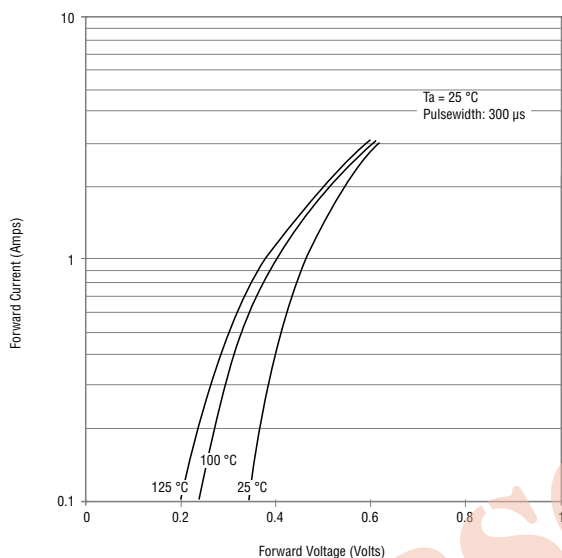
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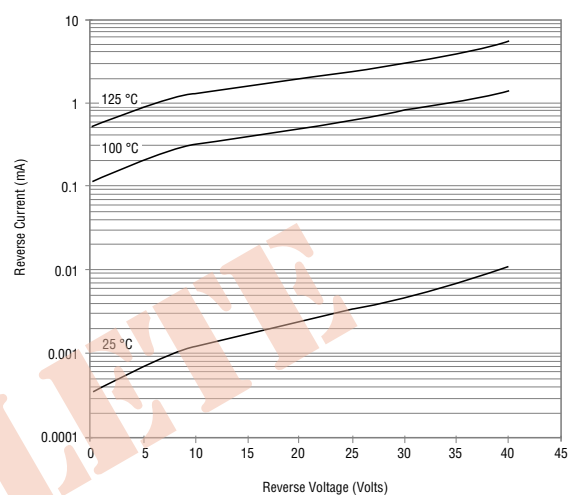
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Rating & Characteristic Curves: CD216A-B140

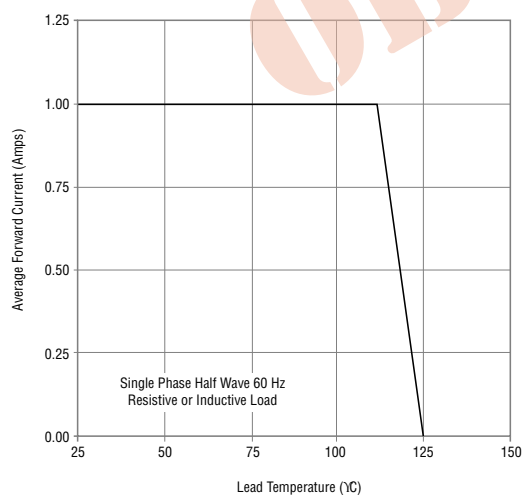
Forward Characteristics



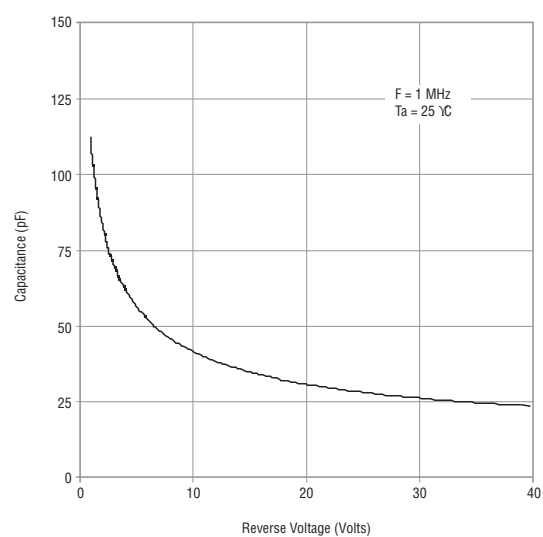
Reverse Characteristics



Derating Curve



Capacitance Between Terminals



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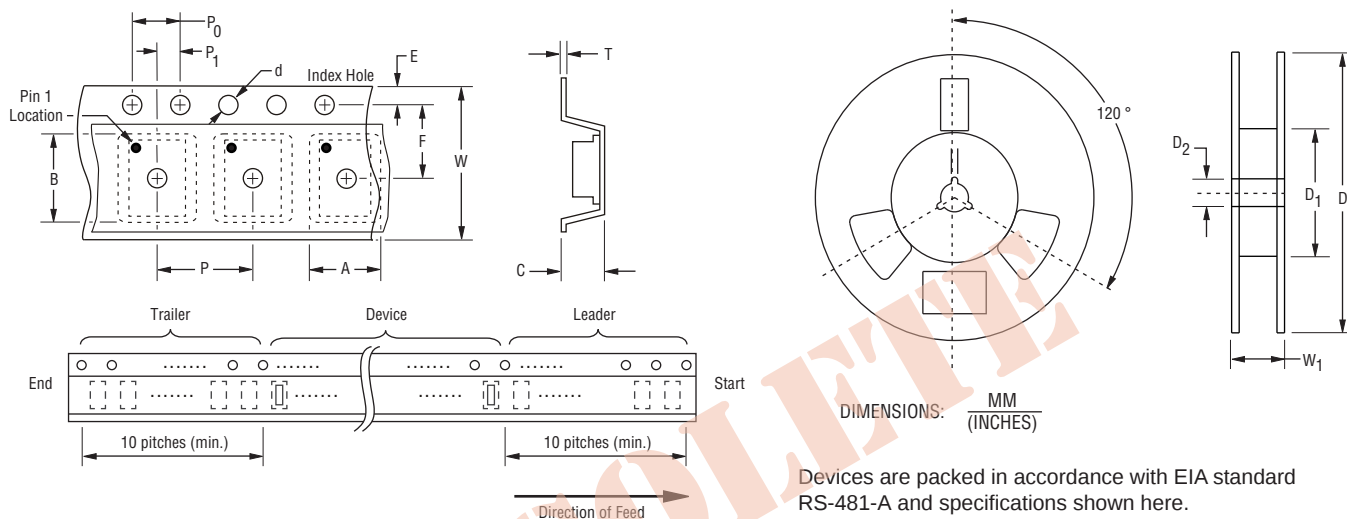
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Packaging Information

The product is dispensed in tape and reel format (see diagram below).



Item	Symbol	DO-216AA
Carrier Width	A	2.90 ± 0.10 (0.114 ± 0.004)
Carrier Length	B	5.30 ± 0.10 (0.209 ± 0.004)
Carrier Depth	C	1.37 ± 0.10 (0.054 ± 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	75.0 (2.953) 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	0.40 ± 0.10 (0.016 ± 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

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