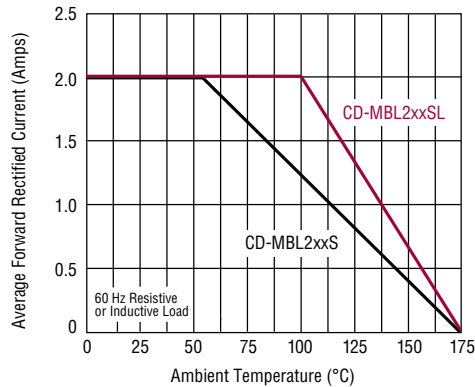


CD-MBL2xxS(L) Series Surface Mount Bridge Rectifier Diode

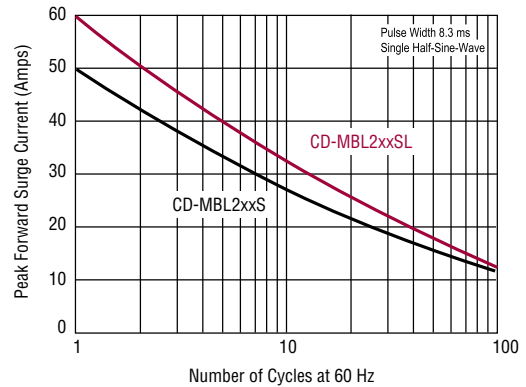
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Rating and Characteristic Curves

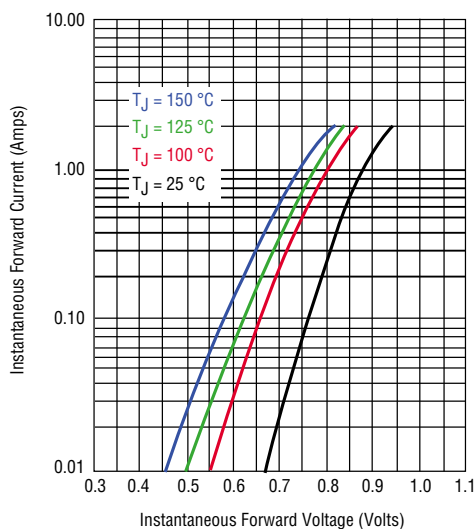
Forward Current Derating Curve



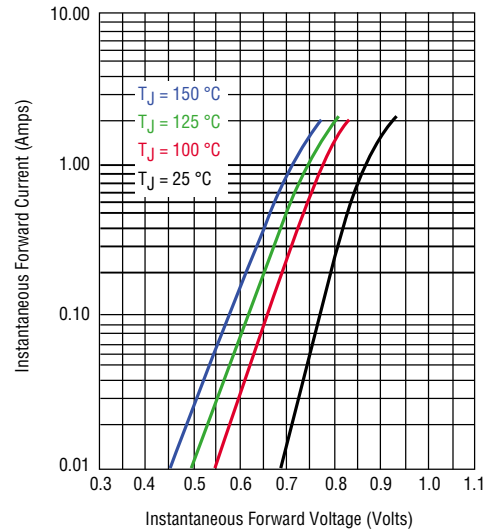
Maximum Non-Repetitive Peak Forward Surge Current



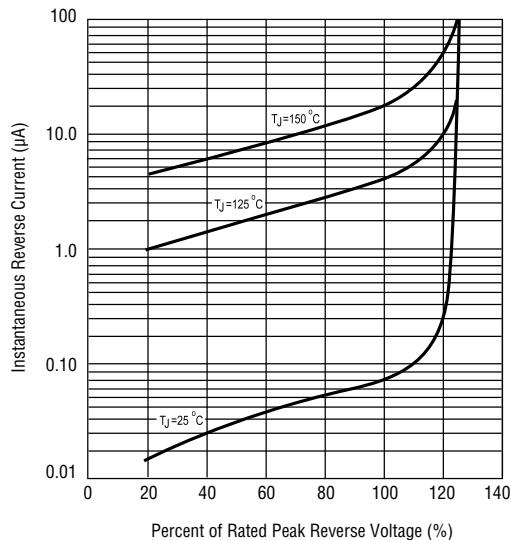
Forward Characteristics (CD2320-B2xxx)



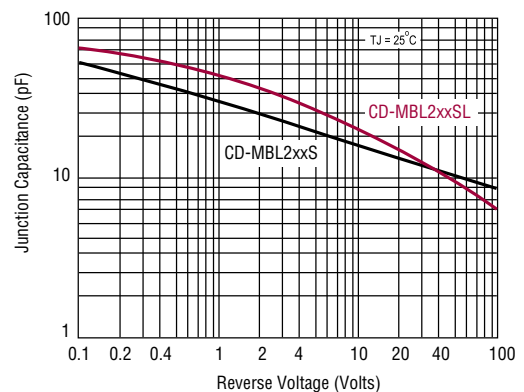
Forward Characteristics (CD-MBL2xxS(L))



Reverse Characteristics



Typical Junction Capacitance



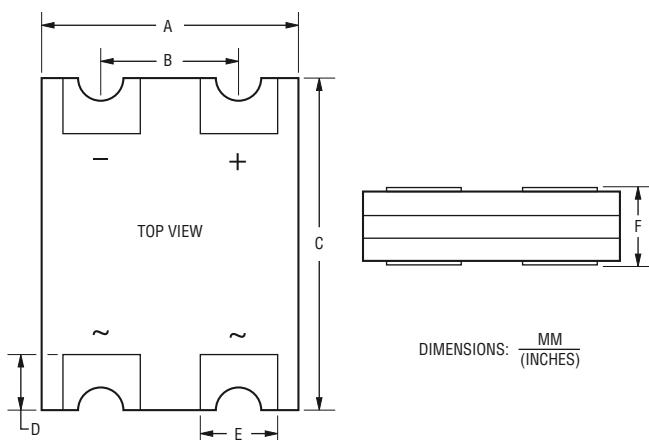
Specifications are subject to change without notice.
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CD-MBL2xxS(L) Series Surface Mount Bridge Rectifier Diode

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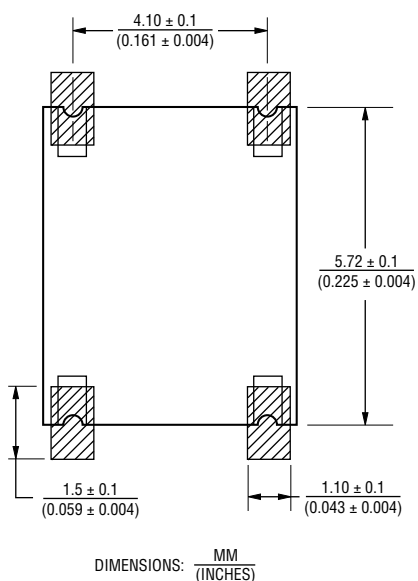
Product Dimensions

This is an RoHS2 compliant product, packaged with FRP substrate and is epoxy underfilled. The terminals are pure tin plated (lead free) and are solderable per MIL-STD-750, Method 2026. The package and dimensions are shown below.



Dimensions	
A	$\frac{5.20 - 5.40}{(0.205 - 0.213)}$
B	$\frac{4.10 - 4.30}{(0.161 - 0.169)}$
C	$\frac{5.70 - 5.90}{(0.224 - 0.232)}$
D	$\frac{1.00 - 1.20}{(0.039 - 0.047)}$
E	$\frac{0.85 - 0.95}{(0.033 - 0.037)}$
F	$\frac{1.05 - 1.35}{(0.0413 - 0.0531)}$

Recommended Footprint

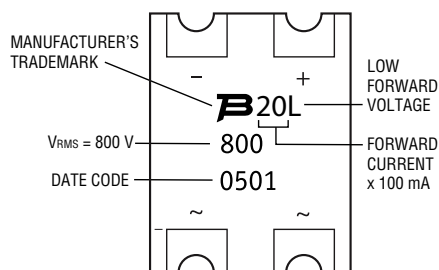


How to Order

CD - MBL 2 06 SL

Common Code _____
 Chip Diode _____
 Model _____
 MBL = MBL Bridge Series _____
 Average Forward Current _____
 2 = 2 A _____
 Reverse Voltage _____
 06 = 600 V _____
 08 = 800 V _____
 10 = 1000 V _____
 Forward Voltage Suffix _____
 S = Standard Forward Voltage _____
 SL = Low Forward Voltage _____

Typical Part Marking



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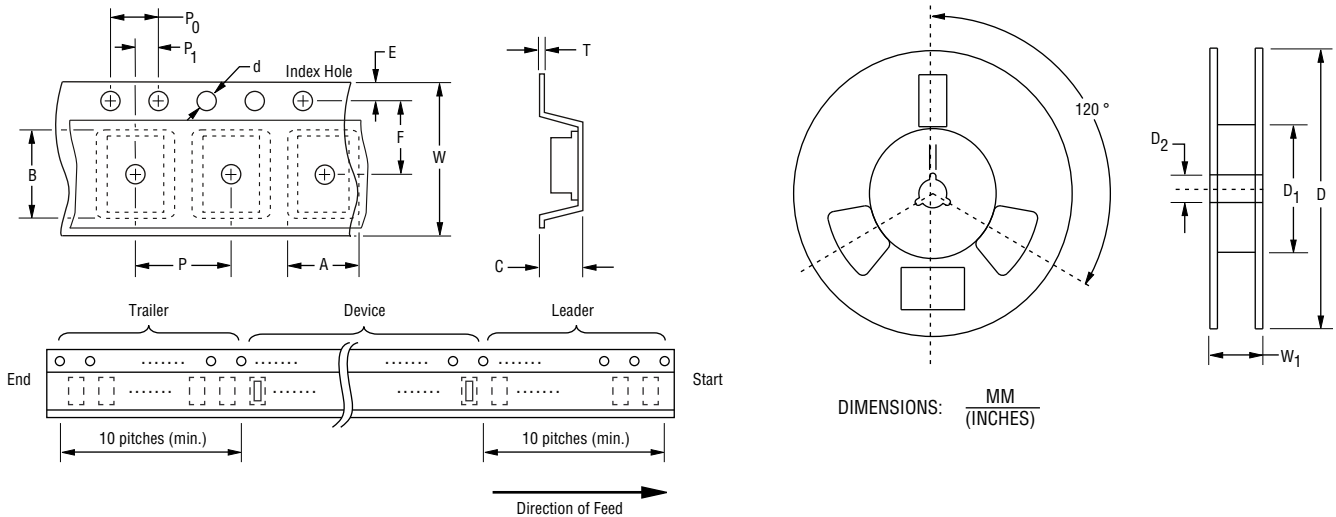
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CD-MBL2xxS(L) Series Surface Mount Bridge Rectifier Diode

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Packaging Information

The surface mount product is packaged in a 12 mm x 8 mm tape and reel format per EIA-481 standard.



Item	Symbol	CD-MBL2xxS(L)
Carrier Width	A	$\frac{5.90 \pm 0.10}{(0.232 \pm 0.004)}$
Carrier Length	B	$\frac{6.50 \pm 0.10}{(0.256 \pm 0.004)}$
Carrier Depth	C	$\frac{1.50 \pm 0.10}{(0.059 \pm 0.004)}$
Sprocket Hole	d	$\frac{1.55 \pm 0.05}{(0.061 \pm 0.002)}$
Reel Outside Diameter	D	$\frac{330}{(12.992)}$
Reel Inner Diameter	D ₁	$\frac{50.0}{(1.969)} \text{ MIN.}$
Feed Hole Diameter	D ₂	$\frac{13.0 \pm 0.20}{(0.512 \pm 0.008)}$
Sprocket Hole Position	E	$\frac{1.75 \pm 0.10}{(0.069 \pm 0.004)}$
Punch Hole Position	F	$\frac{5.50 \pm 0.05}{(0.217 \pm 0.002)}$
Punch Hole Pitch	P	$\frac{8.00 \pm 0.10}{(0.315 \pm 0.004)}$
Sprocket Hole Pitch	P ₀	$\frac{4.00 \pm 0.10}{(0.157 \pm 0.004)}$
Embossment Center	P ₁	$\frac{2.00 \pm 0.05}{(0.079 \pm 0.002)}$
Overall Tape Thickness	T	$\frac{0.20 \pm 0.10}{(0.008 \pm 0.004)}$
Tape Width	W	$\frac{12.00 \pm 0.20}{(0.472 \pm 0.008)}$
Reel Width	W ₁	$\frac{18.7}{(0.736)} \text{ MAX.}$
Quantity per Reel	--	5,000

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