

Laird Technologies has broadened its Ferrite Chip Bead product offering by adding the smaller EIA 0201 (Metric 0603) version to the existing EIA 0402 ~ 3312 (Metric 1005 ~ 8531) product family. The smaller foot-print makes this chip bead ideal for miniature and portable electronic system devices. The new LI0201 series is an ultra-compact, monolithic EMI suppression chip designed for digital signal lines. It offers space efficiency with superior EMI noise filtering over a wide frequency range of low to several hundred MHz for broad-band signal interfaces, up to GHz ranges for high-frequency signal lines.

**FEATURES**

- Rugged monolithic construction
- Smaller foot-print: 0.6 mm x 0.3 mm x 0.3 mm
- Superior impedance vs. frequency characteristics with low DCR
- EMI noise suppression for high frequency and broad-band signal lines
- Lead free and RoHS compliant

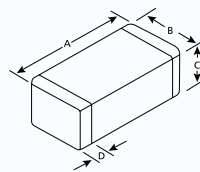
**MARKETS**

- Advanced hand-held devices
- Cellular phones
- Bluetooth headsets
- PDAs
- GPS
- MP3 players
- Digital camcorders and cameras

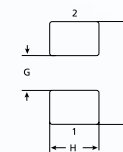
**ELECTRICAL PROPERTIES**

Part Number	Metric Package Size	IMPEDANCE (Ω)				PEAK IMPEDANCE		DCR Max (Ω)	Current Rating (mA)
		25 MHz	100 MHz	500 MHz	1 GHz	Frequency (MHz)	Impedance (Ω)		
LI0201C330R-10	0603	7	33	113	153	1646	171	0.5	300
LI0201C560R-10	0603	11	56	186	252	1347	268	0.6	300
LI0201B800R-10	0603	31	80	195	224	978	225	0.8	200
LI0201C800R-10	0603	18	80	335	428	903	434	0.6	300
LI0201E800R-10	0603	41	80	119	116	605	120	0.5	500
LI0201B121R-10	0603	39	120	247	269	800	275	0.8	200
LI0201C121R-10	0603	59	120	189	182	630	190	0.7	300
LI0201B241R-10	0603	81	240	586	321	390	619	1	200

**MECHANICAL DIMENSIONS**



Land Pattern



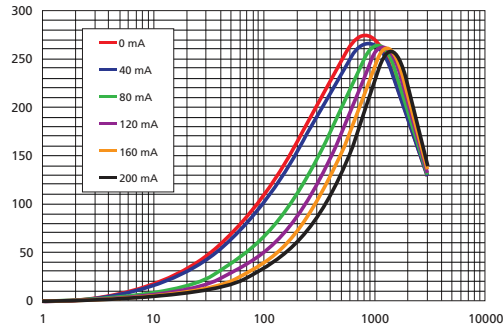
Metric (EIA) Pkg Size	A mm (inch)	B mm (inch)	C mm (inch)	D mm (inch)
0603 (0201)	0.60 (.024)	0.30 (.012)	0.30 (.012)	0.15 (.006)

G mm (inch)	H mm (inch)	L mm (inch)
0.25 (.010)	0.32 (.013)	0.69 (.027)

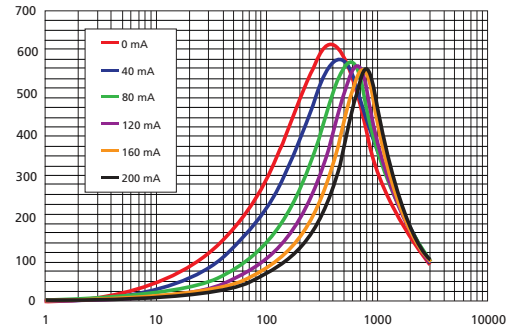
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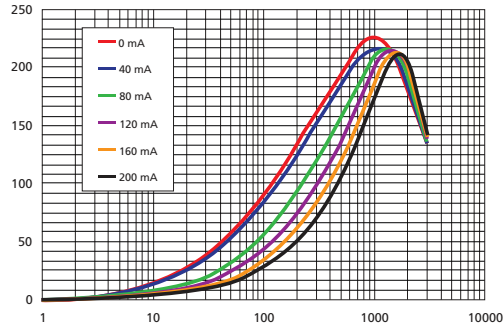
LI0201B121R-10



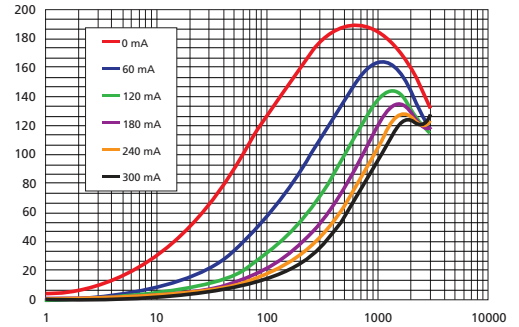
LI0201B241R-10



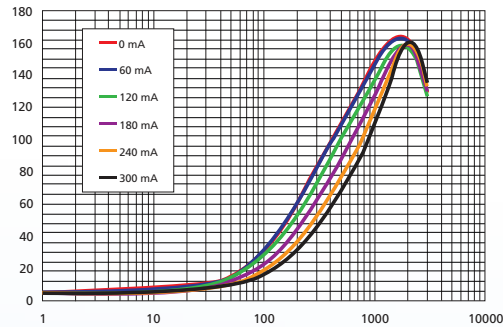
LI0201B800R-10



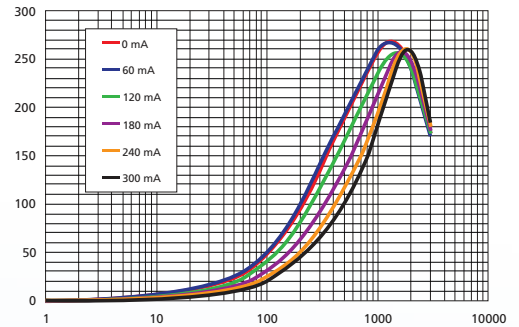
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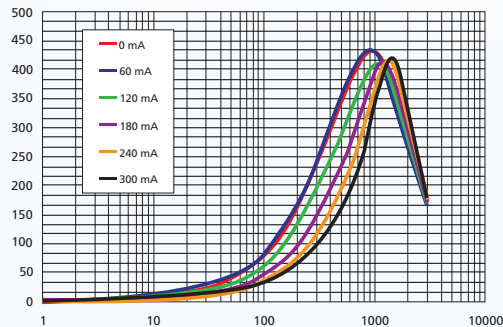
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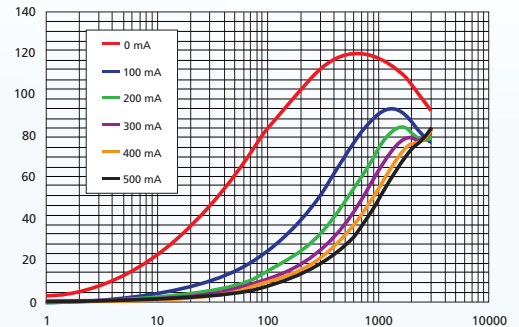
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LI0201C800R-10

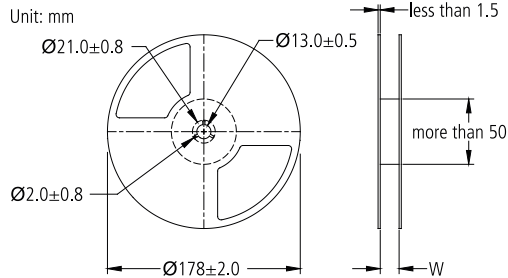


LI0201E800R-10





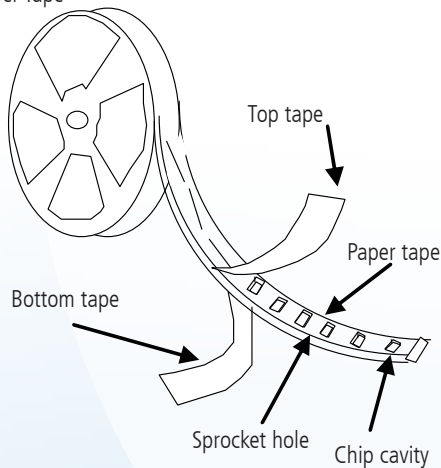
#### REEL DIMENSION



Type	W [mm]
0201	9.0 ±0.3

#### TAPING MATERIAL

\* Paper Tape

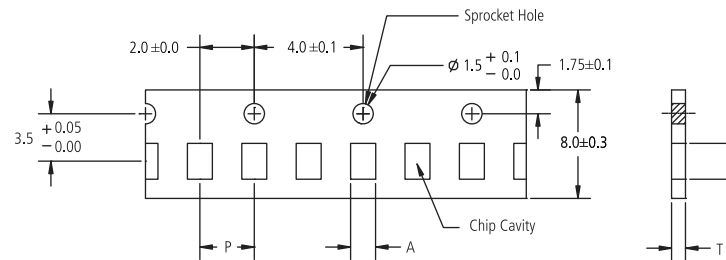


#### STANDARD QUANTITY

Type	QTY (PCS)
0201	15,000

#### TAPING DIMENSION 8mm wide

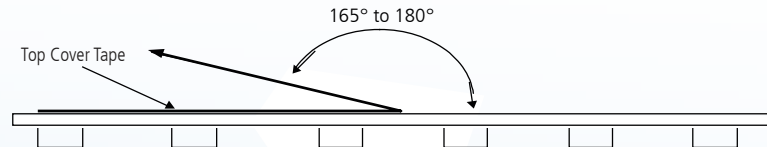
\* Paper Tape  
unit:mm



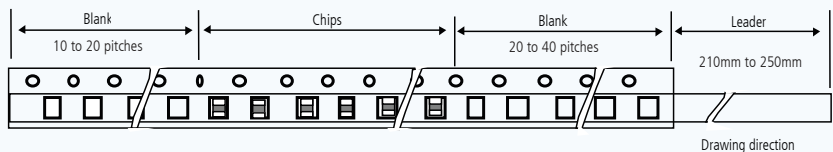
Product	Type	A	B	P	T(max.)
Chip Bead	0201	0.38 ±0.02	0.68 ± 0.02	2.0 ±0.05	0.44

#### TOP TAPE STRENGTH

\* The force for tearing off top tape is 20 to 70 grams in the arrow direction.



#### LEADER AND BLANK PORTION



\* The pitch holes shift within ±0.3mm for cumulative 10 pitches

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