



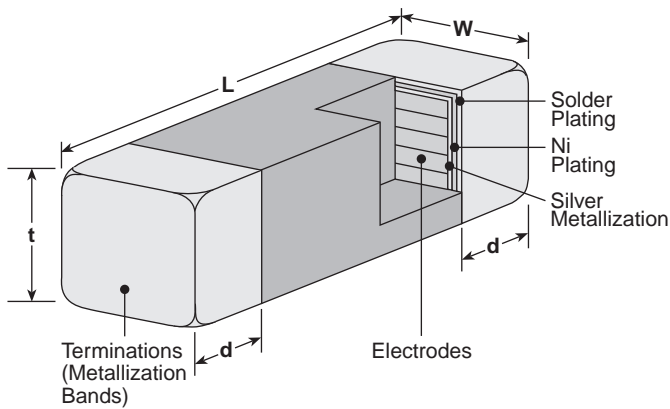
**multilayer ferrite bead**



**features**

- Designed to reduce noise at high frequencies
- Standard EIA packages: 1E, 1J, 2A, 2B
- Nickel barrier with solder overcoat for excellent solderability
- Magnetically shielded
- Marking: Black body color with no marking
- Products with lead-free terminations meet EU RoHS requirements

**dimensions and construction**



Type (Inch Size Code)	Dimensions inches (mm)			
	L	W	t	d
<b>1E</b> (0402)	.039±.004 (1.0±0.1)	.02±.004 (0.5±0.1)	.02±.004 (0.5±0.1)	.01±.004 (0.25±0.1)
<b>1J</b> (0603)	.063±.006 (1.6±0.15)	.031±.006 (0.8±0.15)	.031±.006 (0.8±0.15)	.014±.006 (0.36±0.15)
<b>2A</b> (0805)	.079±.008 (2.0±0.2)	.049±.008 (1.25±0.2)	.035±.008 (0.9±0.2)	.020±.012 (0.51±0.30)
<b>2B</b> (1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.043±.008 (1.1±0.2)	.020±.012 (0.51±0.30)

Inductors

**ordering information**

<b>CZB</b>	<b>1E</b>	<b>G</b>	<b>T</b>	<b>TP</b>	<b>100</b>	<b>P</b>
Type	Size	Permeability Code	Termination Material	Packaging	Impedance	Tolerance
	1E 1J 2A 2B	F G S	T: Sn	TP: 7" paper tape (1E only - 10,000 pieces/reel) TD: 7" paper tape (1J, 2A - 4,000 pieces/reel) TE: 7" embossed plastic (2B - 3,000 pieces/reel)	2 significant figures + 1 multiplier	P: ±25%

For further information on packaging, please refer to Appendix A.

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

6/29/17



**multilayer ferrite bead**

## applications and ratings

Part Designation	Impedance @ 100MHz <sup>†</sup> (Ω)	DC Resistance Maximum <sup>††</sup> (Ω)	Allowable DC Current Maximum (mA)	Operating Temperature Range
CZB1EGTTP100P	10	0.05	600	-55°C to +125°C
CZB1EGTTP700P	70	0.40	350	
CZB1EGTTP121P	120	0.50	300	
CZB1EGTTP221P	220	0.70	200	
CZB1EGTTP301P	300	0.80		
CZB1EGTTP601P	600	1.00	150	
CZB1EGTTP102P	1000	1.50	100	
CZB1JGTTD300P	30	0.10	600	-55°C to +125°C
CZB1JGTTD600P	60	0.20		
CZB1JGTTD800P	80			
CZB1JGTTD101P	100	0.25	400	
CZB1JGTTD121P	120			
CZB1JGTTD141P	140	0.30	300	
CZB1JGTTD221P	220			
CZB1JGTTD301P	300	0.35	250	
CZB1JGTTD451P	450	0.40		
CZB1JGTTD601P	600	0.45	150	
CZB1JGTTD102P	1000	0.60		
CZB1JGTTD152P	1500	0.70	300	
CZB1JGTTD202P	2000	1.20		
CZB2AFTTD500P	50	0.10	800	-55°C to +125°C
CZB2AGTTD101P	100	0.15	600	
CZB2AGTTD121P	120	0.25	600	
CZB2AGTTD301P	300	0.30	400	
CZB2AGTTD601P	600			
CZB2AGTTD601PV	600	0.25	500	
CZB2AGTTD102P	1000	0.40	300	
CZB2BFTTE190P	19	0.05	800	-55°C to +125°C
CZB2BFTTE300P	30	0.10		
CZB2BFTTE600P	60		0.20	
CZB2BFTTE800P	80			
CZB2BFTTE101P	100	0.20	500	
CZB2BFTTE121P	120	0.15		
CZB2BFTTE201P	200	0.20	400	
CZB2BFTTE301P	300	0.30		
CZB2BFTTE601P	600	0.40		

<sup>†</sup> Impedance test method: HP4291A

<sup>††</sup> DCR test method: Keithley 580

For complete environmental specifications, please refer to [www.koaspeer.com](http://www.koaspeer.com)

inductors

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