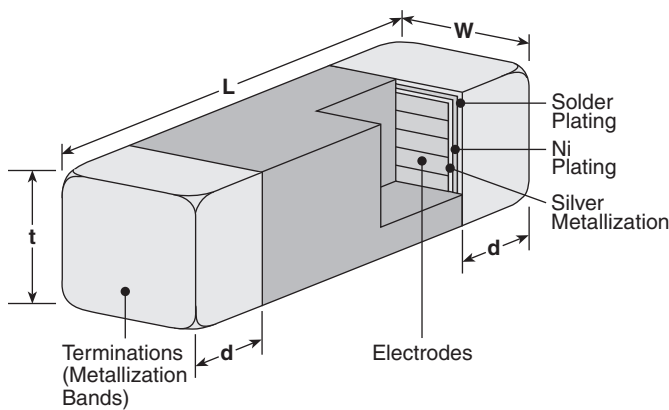




### features

- 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)

### ordering information

New Part #	<b>CZB</b>	<b>1E</b>	<b>G</b>	<b>T</b>	<b>TP</b>	<b>120</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 - 4,000 pieces/reel) (2A - <2000Ω - 4,000 pieces/reel; 2200Ω - 2,000 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.

## applications and ratings

Part Designation	Impedance @ 100MHz † (Ω)	DC Resistance Maximum †† (Ω)	Allowable DC Current Maximum (mA)	Operating Temperature Range
CZB1EGTTP100P	10	0.05	500	-55°C to +125°C
CZB1EGTTP400P	40	0.30	400	
CZB1EGTTP700P	70	0.40	200	
CZB1EGTTP800P	80		350	
CZB1EGTTP121P	120	0.50	200	
CZB1EGTTP221P	220	0.70		
CZB1EGTTP301P	300	0.80	100	
CZB1EGTTP451P	450	0.90		
CZB1EGTTP601P	600	1.00	50	
CZB1EGTTP102P	1000	1.50		
CZB1ESTTP100P	10	0.20	400	
CZB1ESTTP300P	30		350	
CZB1ESTTP600P	60	300		
CZB1ESTTP800P	80		200	
CZB1ESTTP101P	100	600		
CZB1ESTTP121P	120		400	
CZB1JGTTD190P	19	0.10		400
CZB1JGTTD300P	30		300	
CZB1JGTTD400P	40	250		
CZB1JGTTD600P	60		300	
CZB1JGTTD800P	80	250		
CZB1JGTTD900P	90		210	
CZB1JGTTD101P	100	250		
CZB1JGTTD121P	120		210	
CZB1JGTTD141P	140	200		
CZB1JGTTD151P	150		100	
CZB1JGTTD181P	180	500		
CZB1JGTTD221P	220		300	
CZB1JGTTD301P	300	400		
CZB1JGTTD421P	420		300	
CZB1JGTTD451P	450	300		
CZB1JGTTD601P	600		200	
CZB1JGTTD102P	1000	100		
CZB1JGTTD152P	1500		500	
CZB1JSTTD100P	10	400		
CZB1JSTTD300P	30		300	
CZB1JSTTD400P	40	400		
CZB1JSTTD600P	60		300	
CZB1JSTTD800P	80	200		
CZB1JSTTD101P	100		200	
CZB1JSTTD121P	120	800		
CZB1JSTTD221P	220		600	
CZB1JSTTD301P	300	600		
CZB1JSTTD601P	600		600	
CZB1JSTTD102P	1000	600		
CZB2AFTTD110P	11		0.10	800
CZB2AFTTD170P	17	600		
CZB2AFTTD300P	30		600	
CZB2AFTTD400P	40	600		
CZB2AFTTD500P	50		600	
CZB2AFTTD600P	60	600		
CZB2AFTTD800P	80		600	
CZB2AGTTD101P	100	0.15		600

† Impedance test method: HP4291A

†† DCR test method: Keithley 580

For complete environmental specifications, please refer to pages 256-257.

applications and ratings (continued)

Part Designation	Impedance @ 100MHz † (Ω)	DC Resistance Maximum †† (Ω)	Allowable DC Current Maximum (mA)	Operating Temperature Range	
CZB2AGTTD121P	120	0.15	600	-55°C to +125°C	
CZB2AGTTD151P	150	0.25	400		
CZB2AGTTD201P	200	0.30	200		
CZB2AGTTD221P	220				
CZB2AGTTD301P	300				
CZB2AGTTD601P	600				
CZB2AGTTD601PV	600				
CZB2AGTTD102P	1000	0.40	500		
CZB2AGTTD152P	1500	0.55			
CZB2AGTTD222P	2200	0.80			
CZB2ASTTD110P	11	0.10			800
CZB2ASTTD300P	30	0.20			500
CZB2ASTTD600P	60				
CZB2ASTTD900P	90				
CZB2ASTTD121P	120	0.25	300		
CZB2ASTTD221P	220		200		
CZB2ASTTD301P	300	0.35	300		
CZB2ASTTD401P	400				
CZB2ASTTD601P	600				
CZB2ASTTD102P	1000	0.60	200		
CZB2BFTTE190P	19	0.10	800		
CZB2BFTTE260P	26				
CZB2BFTTE300P	30				
CZB2BFTTE310P	31				
CZB2BFTTE500P	50				
CZB2BFTTE600P	60				
CZB2BFTTE700P	70				
CZB2BFTTE800P	80	0.20	500		
CZB2BFTTE900P	90				
CZB2BFTTE101P	100				
CZB2BFTTE121P	120				
CZB2BFTTE151P	150				
CZB2BFTTE201P	200	0.30	400		
CZB2BFTTE301P	300				
CZB2BFTTE401P	400	0.20	500		
CZB2BFTTE601P	600	0.40	300		
CZB2BGTTTE102P	1000	0.60	200		
CZB2BGTTTE152P	1500 @ 50MHz	0.70			
CZB2BSTTE190P	19	0.10	600		
CZB2BSTTE300P	30				
CZB2BSTTE600P	60				
CZB2BSTTE800P	80				
CZB2BSTTE121P	120				
CZB2BSTTE221P	220	0.25	300		
CZB2BSTTE401P	400		0.30	400	
CZB2BSTTE601P	600			250	
CZB2BSTTE102P	1000	0.55		200	

† Impedance test method: HP4291A

†† DCR test method: Keithley 580

For complete environmental specifications, please refer to pages 256-257.