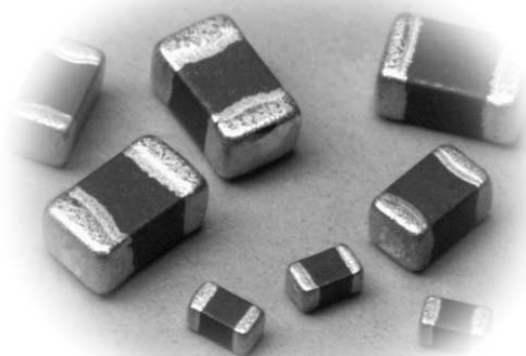
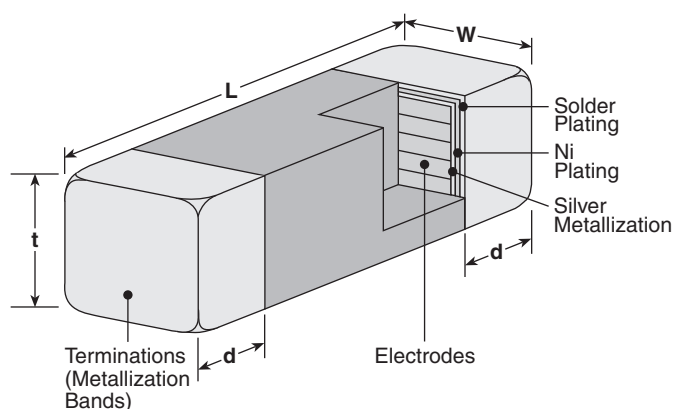




features

- 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

dimensions and construction



Type (Inch Size Code)	Dimensions inches (mm)			
	L	W	t	d
1E (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)
1J (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)
2A (0805)	.079±.008 (2.0±0.2)	.049±.008 (1.25±0.2)	.035±.008 (0.9±0.2)	.02±.01 (0.51±0.25)
2B (1206)	.126±.008 (3.2±0.2)	.063±.008 (1.6±0.2)	.043±.008 (1.1±0.2)	.02±.01 (0.51±0.25)

ordering information

New Part #	CZB	1E	G	T	TP	120	P
Type		Size	Permeability Code	Termination Material	Packaging	Impedance	Tolerance
		1E 1J 2A 2B	F G S	T: Sn L: SnPb	TP: 7" paper tape (1E only - 10,000 pieces/reel) TE: 7" embossed plastic (1J, 2A - 4,000 pieces/reel) (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	
CZB1EG*TP100P	10	0.05	500	-55°C to +125°C	
CZB1EG*TP700P	70	0.40	200		
CZB1EG*TP121P	120	0.50			
CZB1EG*TP221P	220	0.70			
CZB1EG*TP301P	300	0.80			
CZB1EG*TP451P	450	0.90	100		
CZB1EG*TP601P	600	1.00			
CZB1EG*TP102P	1000	1.50	50		
CZB1JG*TE300P	30	0.10	400	-55°C to +125°C	
CZB1JG*TE400P	40		300		
CZB1JG*TE600P	60	0.20			
CZB1JG*TE750P	75				
CZB1JG*TE800P	80				
CZB1JG*TE900P	90	0.30	250		
CZB1JG*TE101P	100		300		
CZB1JG*TE121P	120				
CZB1JG*TE141P	140				
CZB1JG*TE151P	150				
CZB1JG*TE181P	180				
CZB1JG*TE221P	220	0.35			250
CZB1JG*TE301P	300		210		
CZB1JG*TE421P	420	0.40	250		
CZB1JG*TE451P	450		210		
CZB1JG*TE601P	600	0.45	200		
CZB1JG*TE102P	1000	0.60	100		
CZB1JG*TE152P	1500	0.70	50		
CZB1JG*TE202P	2000	0.80	400		
CZB1JS*TE180P	18	0.10			
CZB1JS*TE300P	30	0.25			
CZB1JS*TE600P	60	0.30			
CZB1JS*TE121P	120	0.40	300		
CZB1JS*TE151P	150				
CZB1JS*TE221P	220	0.35			200
CZB1JS*TE301P	300				
CZB1JS*TE421P	420	0.50			
CZB1JS*TE601P	600	0.65			
CZB1JS*TE102P	1000	0.60			
CZB2AF*TE070P	7	0.10	800	-55°C to +125°C	
CZB2AF*TE110P	11	0.10			
CZB2AF*TE170P	17				
CZB2AF*TE300P	30				
CZB2AF*TE400P	40				
CZB2AF*TE500P	50				
CZB2AF*TE600P	60				
CZB2AF*TE800P	80	0.15	600		
CZB2AG*TE101P	100				

* Add termination material character (T, L)

[†] Impedance test method: HP4291A

^{††} DCR test method: Keithley 580

For complete environmental specifications, please refer to pages 226-227.

applications and ratings (continued)

Part Designation	Impedance @ 100MHz † (Ω)	DC Resistance Maximum †† (Ω)	Allowable DC Current Maximum (mA)	Operating Temperature Range
CZB2AG*TE121P	120	0.15	600	-55°C to +125°C
CZB2AG*TE151P	150	0.25	400	
CZB2AG*TE201P	200	0.30	200	
CZB2AG*TE221P	220		300	
CZB2AG*TE301P	300			
CZB2AG*TE401P	400			
CZB2AG*TE601P	600			
CZB2AG*TE601PV	600	0.25	500	
CZB2AG*TE102P	1000	0.40	200	
CZB2AG*TE152P	1500	0.55		
CZB2AG*TE202P	2000	0.60		
CZB2AG*TE222P	2200	0.80		
CZB2AS*TE300P	30	0.20	500	
CZB2AS*TE600P	60			
CZB2AS*TE121P	120	0.25	300	
CZB2AS*TE201P	200	0.35		
CZB2AS*TE221P	220	0.25	200	
CZB2AS*TE301P	300	0.35	300	
CZB2AS*TE601P	600	0.40	200	
CZB2AS*TE102P	1000	0.60		
CZB2BF*TE190P	19	0.10	800	-55°C to +125°C
CZB2BF*TE260P	26			
CZB2BF*TE300P	30		500	
CZB2BF*TE310P	31			
CZB2BF*TE500P	50			
CZB2BF*TE600P	60			
CZB2BF*TE700P	70			
CZB2BF*TE800P	80			
CZB2BF*TE900P	90			
CZB2BF*TE101P	100			
CZB2BF*TE121P	120	0.15		
CZB2BF*TE151P	150			
CZB2BF*TE201P	200	0.30	400	
CZB2BF*TE301P	300	0.40		
CZB2BF*TE601P	600	0.40	300	
CZB2BG*TE102P	1000	0.60	200	
CZB2BG*TE152P	1500 @ 50MHz	0.70		
CZB2BG*TE202P	2000 @ 30MHz			
CZB2BS*TE190P	19	0.10	600	
CZB2BS*TE121P	120	0.25	300	
CZB2BS*TE301P	300	0.30	250	
CZB2BS*TE601P	600			
CZB2BS*TE102P	1000			

* Add termination material character (T, L)

[†] Impedance test method: HP4291A

^{††} DCR test method: Keithley 580

For complete environmental specifications,
please refer to pages 226-227.