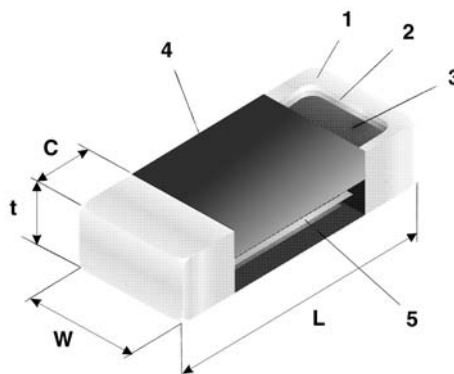


TWO TERMINAL MULTILAYER FERRITE POWER BEADS CZP (MCP)



STRUCTURE

- 1 Solder plating
- 2 Diffusion barrier (Ni)
- 3 Silver metallisation
- 4 Ferrite
- 5 Electrode

IDENTIFICATION

TYPE	COATING COLOR	MARKING
CZP	Black	None

Products with Pb-free terminations meet RoHS requirements

TYPE DESIGNATION (HOW TO ORDER)

Old Part No.	MCP	0603	F	M	TE	300		
New Part No. (Pb-free)	CZP	1J	F	T	TE	300	M	
	PRODUCT CODE	SIZE	PERMEABILITY CODE	TERMINATION SURFACE MATERIAL	IMPEDANCE TOLERANCE	TAPING * TE: 7" embossed taping	NOMINAL IMPEDANCE 3 digits	IMPEDANCE TOLERANCE P(±25%) M(±20%)
		1J = 0603 2A = 0805 2B = 1206	F, P	T: Sn L: Sn/Pb		*Please see "PACKAGING"		

FEATURES

- Designed to reduce noise in a wide frequency range
- Large permissible DC current
- Monolithic structure for closed magnetic path and high reliability
- Anti-leaching nickel barrier terminations
- Wide range of electrical properties; magnetically shielded
- Suitable as noise suppressor in computers and peripherals, telecommunication, data communication and in consumer electronics
- Operating temperature range: -55° C ... +125° C
- Suitable for reflow and wave soldering

DIMENSIONS (mm)

SIZE	L	W	t	c
0603 (1J)	1.60 ± 0.15	0.80 ± 0.15	0.80 ± 0.15	0.36 ± 0.15
0805 (2A)	2.00 ± 0.20	1.25 ± 0.20	0.90 ± 0.20	0.51 ± 0.25
1206 (2B)	3.20 ± 0.20	1.60 ± 0.20	1.10 ± 0.20	0.51 ± 0.25

RATING

TYPE	IMPEDANCE at 100 MHz*	DC RESISTANCE (MAX.)**	ALLOWABLE DC CURRENT (MAX.)
CZP 1J F T TE 5R0 P	5 Ω	0.04 Ω	1.000 mA
CZP 1J F T TE 300 P	30 Ω	0.06 Ω	3.000 mA
CZP 1J F T TE 600 P	60 Ω	0.1 Ω	500 mA
CZP 1J F T TE 121 P	120 Ω	0.1 Ω	2.000 mA
CZP 1J F T TE 301 P	300 Ω	0.1 Ω	2.000 mA
CZP 2A F T TE 7R0 P	7 Ω	0.02 Ω	3.000 mA
CZP 2A F T TE 100 P	10 Ω	0.02 Ω	3.000 mA
CZP 2A F T TE 110 P	11 Ω	0.025 Ω	3.000 mA
CZP 2A F T TE 150 P	15 Ω	0.025 Ω	3.000 mA
CZP 2A F T TE 220 P	22 Ω	0.025 Ω	3.000 mA
CZP 2A F T TE 300 P	30 Ω	0.015 Ω	3.000 mA
CZP 2A F T TE 400 P	40 Ω	0.03 Ω	2.000 mA
CZP 2A F T TE 450 P	45 Ω	0.03 Ω	2.000 mA
CZP 2A F T TE 600 P	60 Ω	0.025 Ω	3.000 mA
CZP 2A F T TE 800 P	80 Ω	0.1 Ω	1.000 mA
CZP 2A F T TE 201 P	200 Ω	0.15 Ω	1.000 mA
CZP 2A F T TE 221 P	220 Ω	0.05 Ω	2.000 mA
CZP 2A F T TE 301 P	300 Ω	0.15 Ω	1.000 mA
CZP 2A F T TE 601 P	600 Ω	0.2 Ω	1.000 mA
CZP 2A F T TE 102 P	1000 Ω	0.2 Ω	1.000 mA
CZP 2B F T TE 190 P	19 Ω	0.02 Ω	3.000 mA
CZP 2B F T TE 260 P	26 Ω	0.02 Ω	3.000 mA
CZP 2B F T TE 300 P	30 Ω	0.02 Ω	3.000 mA
CZP 2B F T TE 310 P	31 Ω	0.02 Ω	3.000 mA
CZP 2B F T TE 500 P	50 Ω	0.025 Ω	3.000 mA
CZP 2B F T TE 650 P	65 Ω	0.03 Ω	2.000 mA
CZP 2B F T TE 700 P	70 Ω	0.03 Ω	2.000 mA
CZP 2B F T TE 800 P	80 Ω	0.03 Ω	2.000 mA
CZP 2B F T TE 900 P	90 Ω	0.1 Ω	1.000 mA
CZP 2B F T TE 101 P	100 Ω	0.1 Ω	1.000 mA
CZP 2B F T TE 121 P	120 Ω	0.1 Ω	1.000 mA
CZP 2B F T TE 601 P	600 Ω	0.2 Ω	1.000 mA
CZP 2B P T TE 700 P	70 Ω	0.2 Ω	3.000 mA
CZP 2B P T TE 101 P	100 Ω	0.03 Ω	3.000 mA
CZP 2B P T TE 121 P	120 Ω	0.04 Ω	3.000 mA
CZP 2B P T TE 601 P	600 Ω	0.1 Ω	1.500 mA

* Impedance test method: HP 4291A

** DCR test method: Keithley 580