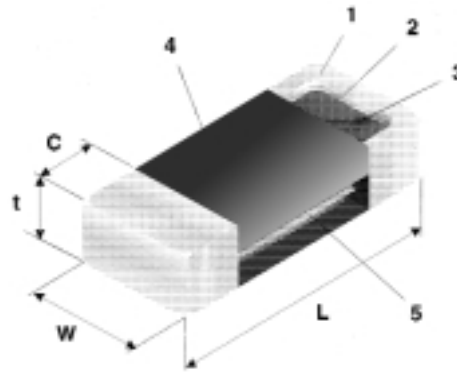


MULTILAYER FERRITE POWER BEADS MCP



STRUCTURE

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

IDENTIFICATION

TYPE	COATING COLOR	MARKING
MCP	Black	None

FEATURES

- Monolithic structure for closed magnetic path and high reliability
- Large permissible DC current
- Anti-leaching nickel barrier terminations
- 90/10 solder plated terminations
- Wide range of electrical properties
- Suitable as noise suppressor in computers and peripherals, telecommunication, data communication and in consumer electronics
- Operating temperature range: $-55^{\circ}\text{C} \dots +125^{\circ}\text{C}$
- Suitable for reflow and wave soldering

DIMENSIONS (mm)

SIZE	L	W	t	c
0603	1.60 ± 0.15	0.80 ± 0.15	0.80 ± 0.15	0.36 ± 0.15
0805	2.00 ± 0.20	1.25 ± 0.20	0.90 ± 0.20	0.51 ± 0.25
1206	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.)
MCP 0603 F 300	30 Ω	0.06 Ω	1.000 mA
MCP 0603 F 600	60 Ω	0.1 Ω	500 mA
MCP 0805 F 070	7 Ω	0.02 Ω	3.000 mA
MCP 0805 F 100	10 Ω	0.02 Ω	3.000 mA
MCP 0805 F 110	11 Ω	0.025 Ω	3.000 mA
MCP 0805 F 150	15 Ω	0.025 Ω	3.000 mA
MCP 0805 F 300	30 Ω	0.025 Ω	3.000 mA
MCP 0805 F 450	45 Ω	0.03 Ω	2.000 mA
MCP 0805 F 800	80 Ω	0.1 Ω	1.000 mA
MCP 0805 F 201	200 Ω	0.15 Ω	1.000 mA
MCP 0805 F 301	300 Ω	0.15 Ω	1.000 mA
MCP 0805 F 601	600 Ω	0.2 Ω	1.000 mA
MCP 1206 F 190	19 Ω	0.02 Ω	3.000 mA
MCP 1206 F 260	26 Ω	0.02 Ω	3.000 mA
MCP 1206 F 300	30 Ω	0.02 Ω	3.000 mA
MCP 1206 F 310	31 Ω	0.02 Ω	3.000 mA
MCP 1206 F 500	50 Ω	0.025 Ω	3.000 mA
MCP 1206 F 700	70 Ω	0.03 Ω	2.000 mA
MCP 1206 F 800	80 Ω	0.03 Ω	2.000 mA
MCP 1206 F 900	90 Ω	0.1 Ω	1.000 mA
MCP 1206 F 121	120 Ω	0.1 Ω	1.000 mA
MCP 1206 F 601	600 Ω	0.2 Ω	1.000 mA
MCP 1206 P 601	600 Ω	0.1 Ω	1.500 mA

TYPE DESIGNATION (HOW TO ORDER)

MCP	0603	F	M	TE	300
PRODUCT CODE	SIZE	PERMEAB. CODE	TOLERANCE	TAPING*	IMPEDANCE
		P, F	M ($\pm 20\%$), P ($\pm 25\%$)		

*Please see pages 82/83