



Features

- Magnetically unshielded
- Low cost, high current power inductors
- Custom design on request

Applications

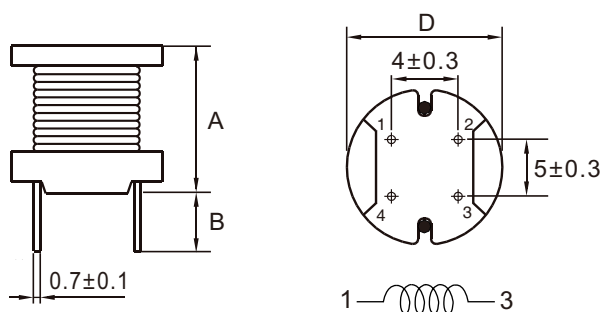
- DC/DC converters
- Power supplies
- Output chokes

General Specifications

- Storage temp range: -40°C to +125°C
- Operating temp range: -40°C to +125°C
- Moisture Sensitivity Level(MSL): 1



Shape and Dimensions (Unit:mm)



Type	A (max)	B (±1.0)	D (max)
MC4W1006	6.5	3.5	10.5
MC4W1008	8.5	3.5	10.5
MC4W1010	10.5	3.5	10.5

Electrical Characteristics For MC4W1006 Series

Part Number	Inductance [uH]	DCR (max) [Ω]	Rated Current (max) [A]
MC4W1006-100M	10 ±20%	0.040	3.60
MC4W1006-120M	12 ±20%	0.044	3.30
MC4W1006-150M	15 ±20%	0.058	2.90
MC4W1006-180M	18 ±20%	0.064	2.70
MC4W1006-220M	22 ±20%	0.088	2.40
MC4W1006-270M	27 ±20%	0.10	2.20
MC4W1006-330M	33 ±20%	0.11	2.00
MC4W1006-390M	39 ±20%	0.14	1.80
MC4W1006-470M	47 ±20%	0.16	1.70
MC4W1006-560M	56 ±20%	0.19	1.50
MC4W1006-680M	68 ±20%	0.22	1.40
MC4W1006-820M	82 ±20%	0.29	1.30
MC4W1006-101K	100 ±10%	0.32	1.30
MC4W1006-121K	120 ±10%	0.38	1.20
MC4W1006-151K	150 ±10%	0.50	1.00
MC4W1006-181K	180 ±10%	0.56	0.84
MC4W1006-221K	220 ±10%	0.78	0.76
MC4W1006-271K	270 ±10%	0.92	0.69
MC4W1006-331K	330 ±10%	1.10	0.62
MC4W1006-391K	390 ±10%	1.30	0.57
MC4W1006-471K	470 ±10%	1.50	0.52
MC4W1006-561K	560 ±10%	1.90	0.48
MC4W1006-681K	680 ±10%	2.20	0.43
MC4W1006-821K	820 ±10%	2.60	0.40
MC4W1006-102K	1000 ±10%	3.20	0.36

► Electrical Characteristics For MC4W1008 Series

Part Number	Inductance [uH]	DCR (max) [Ω]	Rated Current (max) [A]
MC4W1008-180M	18 ±20%	0.049	3.40
MC4W1008-220M	22 ±20%	0.055	3.10
MC4W1008-270M	27 ±20%	0.062	2.80
MC4W1008-330M	33 ±20%	0.079	2.50
MC4W1008-390M	39 ±20%	0.087	2.30
MC4W1008-470M	47 ±20%	0.099	2.10
MC4W1008-560M	56 ±20%	0.13	1.90
MC4W1008-680M	68 ±20%	0.14	1.70
MC4W1008-820M	82 ±20%	0.16	1.60
MC4W1008-101K	100 ±10%	0.21	1.40
MC4W1008-121K	120 ±10%	0.24	1.30
MC4W1008-151K	150 ±10%	0.32	1.20
MC4W1008-181K	180 ±10%	0.35	1.10
MC4W1008-221K	220 ±10%	0.45	0.96
MC4W1008-271K	270 ±10%	0.61	0.87
MC4W1008-331K	330 ±10%	0.69	0.79
MC4W1008-391K	390 ±10%	0.78	0.72
MC4W1008-471K	470 ±10%	1.00	0.66
MC4W1008-561K	560 ±10%	1.20	0.60
MC4W1008-681K	680 ±10%	1.40	0.55
MC4W1008-821K	820 ±10%	1.80	0.50
MC4W1008-102K	1000 ±10%	2.10	0.45
MC4W1006-681K	680 ±10%	2.20	0.43
MC4W1006-821K	820 ±10%	2.60	0.40
MC4W1006-102K	1000 ±10%	3.20	0.36

► Electrical Characteristics For MC4W1010 Series

Part Number	Inductance [uH]	DCR (max) [Ω]	Rated Current (max) [A]
MC4W1010-390M	39 ±20%	0.073	2.70
MC4W1010-470M	47 ±20%	0.083	2.50
MC4W1010-560M	56 ±20%	0.092	2.30
MC4W1010-680M	68 ±20%	0.12	2.10
MC4W1010-820M	82 ±20%	0.14	1.90
MC4W1010-101K	100 ±10%	0.16	1.70
MC4W1010-121K	120 ±10%	0.20	1.50
MC4W1010-151K	150 ±10%	0.23	1.40
MC4W1010-181K	180 ±10%	0.31	1.30
MC4W1010-221K	220 ±10%	0.34	1.10
MC4W1010-271K	270 ±10%	0.40	1.00
MC4W1010-331K	330 ±10%	0.52	0.93
MC4W1010-391K	390 ±10%	0.65	0.86
MC4W1010-471K	470 ±10%	0.71	0.78
MC4W1010-561K	560 ±10%	1.00	0.71
MC4W1010-681K	680 ±10%	1.10	0.65
MC4W1010-821K	820 ±10%	1.30	0.59
MC4W1010-102K	1000 ±10%	1.70	0.53

- Inductance tested at 1kHz, 0.25V
- Rated current: DC current at which the inductance drops 10% from its value without current