



POWER INDUCTORS

LCH1006-4W SERIES

DESCRIPTION:

- Ferrite drum core construction
- Magnetically unshielded
- LxWxH: 10.5x10.5x6.5mm Max
- RoHS-compatible

APPLICATIONS:

- Ideally used in Printers, LCD TV, DVD, Copy Machine, Mainboard of the compounding machines etc. As DC-DC Converter inductors.

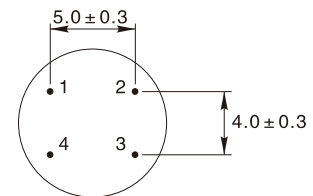
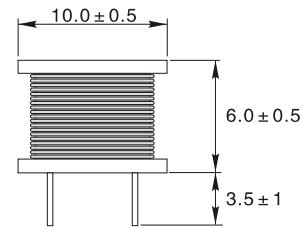
PACKAGING:

- Box packaging

ELECTRICAL CHARACTERISTICS:

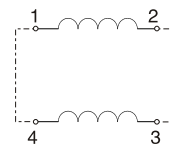
Part Number	Inductance (uH)	DCR (mΩ)Max	Rated current (A)Max
LCH1006-4W-2R2M	2.2 ± 20%	8.5	7.9
LCH1006-4W-2R7M	2.7 ± 20%	9.6	7.2
LCH1006-4W-3R7M	3.7 ± 20%	10.9	6.3
LCH1006-4W-4R7M	4.7 ± 20%	11.7	5.7
LCH1006-4W-6R2M	6.2 ± 20%	15.3	5.3
LCH1006-4W-8R2M	8.2 ± 20%	17.0	5.0
LCH1006-4W-100M	10 ± 20%	27.0	4.5
LCH1006-4W-120M	12 ± 20%	31.0	4.1
LCH1006-4W-150M	15 ± 20%	36.0	3.7
LCH1006-4W-180M	18 ± 20%	49.0	3.4
LCH1006-4W-220M	22 ± 20%	55.0	3.1
LCH1006-4W-270M	27 ± 20%	62.0	2.8
LCH1006-4W-330M	33 ± 10%	79.0	2.5
LCH1006-4W-390M	39 ± 10%	87.0	2.3
LCH1006-4W-470M	47 ± 10%	99.0	2.1
LCH1006-4W-560K	56 ± 10%	130	1.9
LCH1006-4W-680K	68 ± 10%	140	1.7
LCH1006-4W-820K	82 ± 10%	160	1.6
LCH1006-4W-101K	100 ± 10%	210	1.4
LCH1006-4W-121K	120 ± 10%	240	1.3
LCH1006-4W-151K	150 ± 10%	320	1.2
LCH1006-4W-181K	180 ± 10%	350	1.1
LCH1006-4W-221K	220 ± 10%	450	0.96
LCH1006-4W-271K	270 ± 10%	610	0.87
LCH1006-4W-331K	330 ± 10%	690	0.79
LCH1006-4W-391K	390 ± 10%	780	0.72
LCH1006-4W-471K	470 ± 10%	1000	0.66
LCH1006-4W-561K	560 ± 10%	1200	0.60
LCH1006-4W-681K	680 ± 10%	1400	0.55
LCH1006-4W-821K	820 ± 10%	1800	0.50
LCH1006-4W-102K	1000 ± 10%	2100	0.45

PHYSICAL CHARACTERISTICS

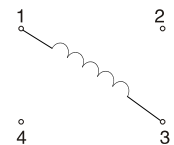


WINDING

2.2uH ~ 15uH



18uH ~ 1.0mH



TECHNICAL INFORMATION

- Inductance measuring condition:
2.2uH~8.2uH@7.96MHz
10uH~1.0mH@1KHz
- Inductor Testing: HP4284A (Equivalent acceptable)
DCR: WK3260B
- The rated current indicates the lower value of current when the inductance is 10% lower than its initial value at D.C. superposition or the temperature of coil rises 40°C with D.C. Current passing. (Ta = 20°C)
- Operating Temperature: -40°C to +100°C (including coil's self temperature rise)
- Storage Temperature: -40°C to +100°C
- All specifications subject to change without notice.