

SMD Inductors(Coils)

For Power Line(Wound, Magnetic Shielded)

Conformity to RoHS Directive

CLF Series CLF7045

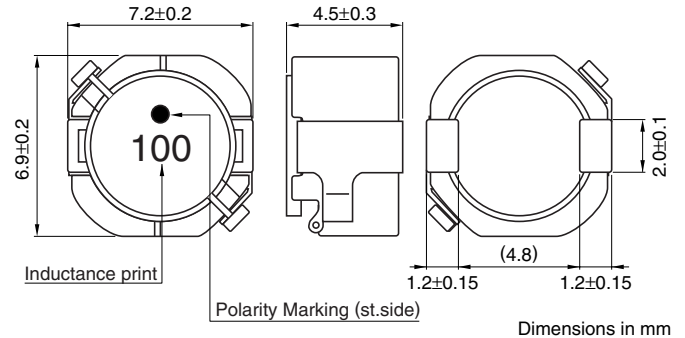
FEATURES

- Miniature size
Mount area: 6.9×7.2mm
Height: 4.5±0.3mm
- Generic use for portable DC to DC converter line.
- High magnetic shield construction should actualize high resolution for EMC protection.
- Available for automatic mounting in tape and reel package.
- The products do not contain lead and support lead-free soldering.

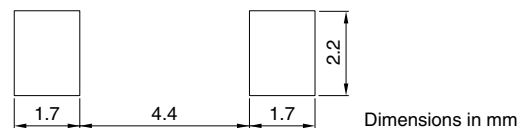
APPLICATIONS

LCD-TV's, PDP-TV's, LCD displays, BD recorders, DVD recorders, STB, etc.

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERN



ELECTRICAL CHARACTERISTICS

Part No.	Inductance (μH)	Inductance tolerance(%)	Test frequency (kHz)	DC resistance (mΩ)	Rated current(A)*	
					Based on inductance change	Based on temperature rise
CLF7045T-1R5N	1.5	±30	100	11.0±30%	7.3	4.9
CLF7045T-2R2N	2.2	±30	100	14.6±30%	5.5	4.3
CLF7045T-3R3N	3.3	±30	100	16.4±30%	5.0	4.1
CLF7045T-4R7N	4.7	±30	100	20±30%	4.1	3.6
CLF7045T-6R8N	6.8	±30	100	27±30%	3.3	3.0
CLF7045T-100M	10	±20	100	38±20%	2.7	2.5
CLF7045T-150M	15	±20	100	51±20%	2.3	2.1
CLF7045T-220M	22	±20	100	69±20%	1.9	1.8

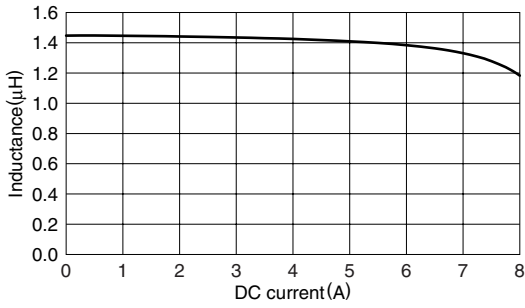
* Rated current: Value obtained when current flows and the temperature has risen to 30°C or when DC current flows and the nominal value of inductance has fallen by 10%, whichever is smaller.

- Operating temperature range: -40 to +105°C (Including self-temperature rise)
- Test equipment Inductance: 4285A PRECISION LCR METER, HP or equivalent
Rdc: MILLIOHM METER VP-2941A, MATSUSHITA or equivalent
L(ldc1): 4285A PRECISION LCR METER, HP with 42841A BIAS CURRENT SOURCE, HP/42842C TEST FIXTURE, HP or equivalent

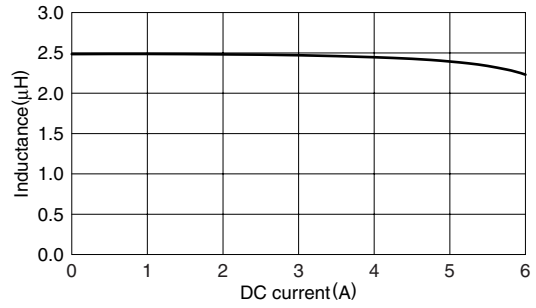
• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

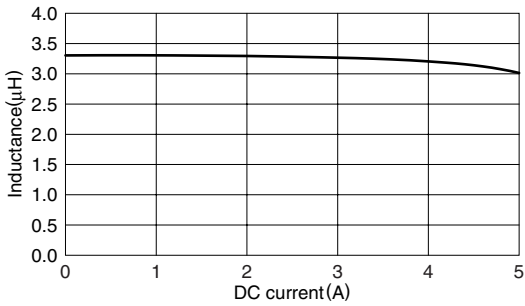
TYPICAL ELECTRICAL CHARACTERISTICS
INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS
CLF7045T-1R5N



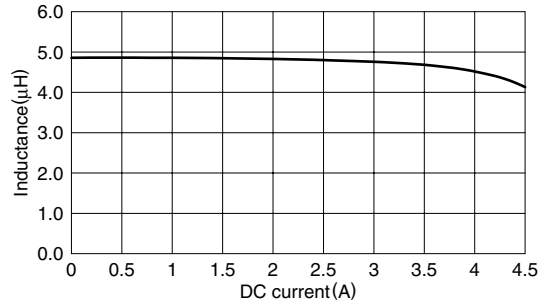
CLF7045T-2R2N



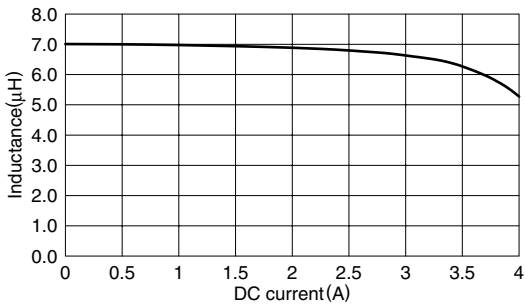
CLF7045T-3R3N



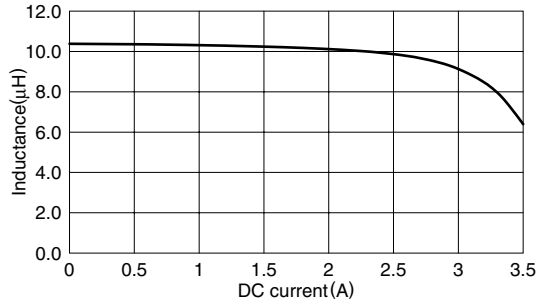
CLF7045T-4R7N



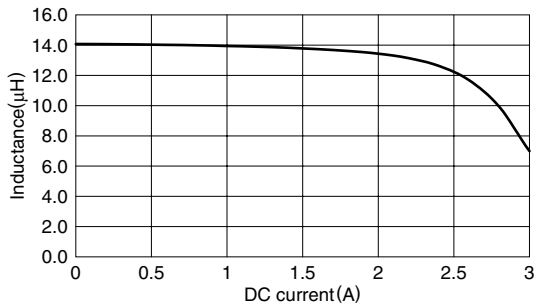
CLF7045T-6R8N



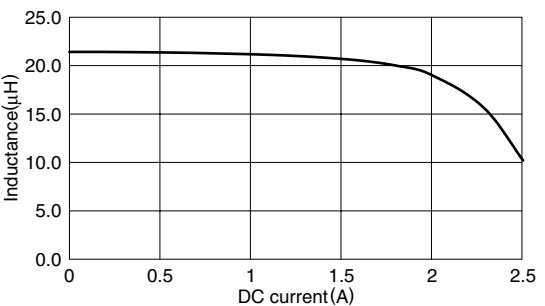
CLF7045T-100M



CLF7045T-150M



CLF7045T-220M



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