

COMMON MODE INDUCTORS

LFT1512 SERIES

FEATURES:

- High inductance with low resistance
- Excellent differential-mode suppression
- High pulse-handling capability
- Industry best inductance/rated current ratio
- Suitable for wave soldering
- Design complies with EN 60938-2 (VDE 0565-2)
- RoHS-compatible

APPLICATIONS:

- Electronic ballasts for lamps
- High power switch-mode power supplies for consumer electronics

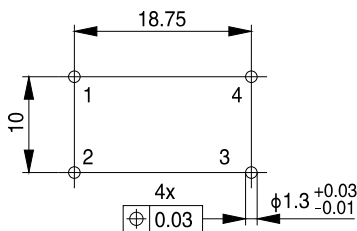
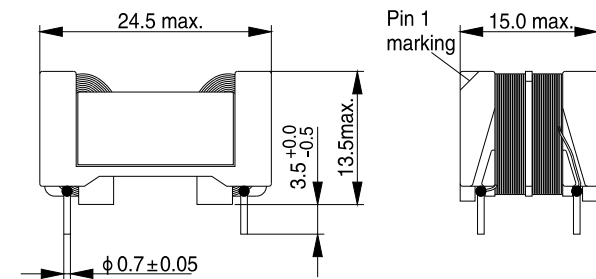
CONSTRUCTION:

- Current-compensated double choke
- Closed magnetic circuit with frame construction
- 4-section winding with direct winding of the core
- Height 14 mm
- Clearance and creepage distances 3mm Min

ELECTRICAL CHARACTERISTICS:

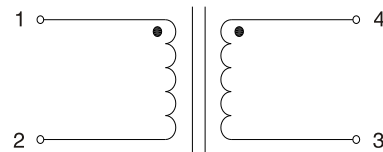
Part Number	L(0A) (mH)+50%/-30% 10KHz,0.1V	Lk (uH)Max 10KHz,0.5V	Rated current (A)Max	DCR (mΩ)Typ
LFT1512-103Y	10	200	1.6	290
LFT1512-153Y	15	290	1.3	430
LFT1512-273Y	27	520	0.9	770
LFT1512-393Y	39	760	0.8	1100
LFT1512-473Y	47	920	0.7	1260
LFT1512-683Y	68	1340	0.6	1970
LFT1512-104Y	100	1930	0.45	2930

PHYSICAL CHARACTERISTICS



Layout recommendation
(top view)

WINDING



- Rated voltage: 250VAC max@40°C
- Insulation voltage: 1500VAC,2S(line-line)
- Inductor Testing: HP4284A (Equivalent acceptable)
DCR: WK3260B
- Storage Temperature: -40°C to +40°C
- Solder methods: Vapor Phase, Infrared Reflow
- Resistance to soldering heat: 260°C for 10 seconds
- Solvent resistance: Conforms to MIL-STD-202E
- Marking: Inductance & Tolerance
- All specifications subject to change without notice.