

Common Mode Choke ~ UT24LF SERIES

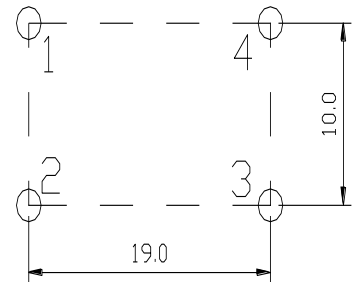
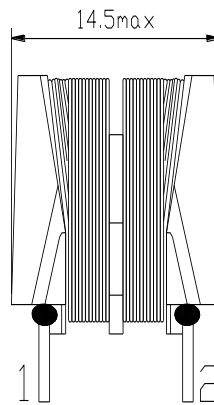
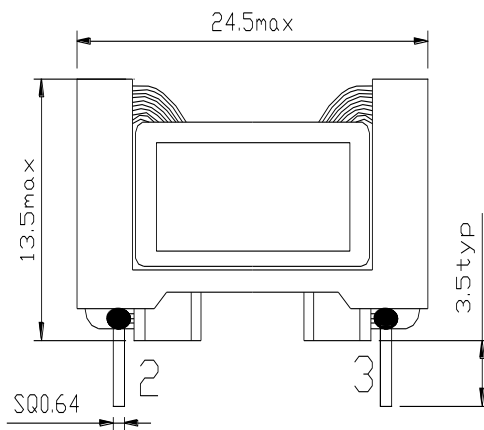


PART NUMBERING SYSTEM

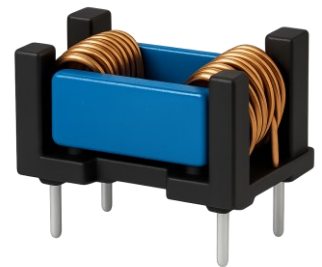
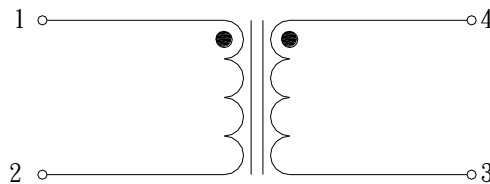
UT	24LF	—	473	—	LF
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

SHAPES AND DIMENSIONS

UNIT : mm



SCHEMATIC DRAWING



Applications

- Designed for EMI suppression in AC/DC power supplies and DC/DC converters, ensuring compliance with international EMC standards.
- Effectively reduces common-mode noise at high frequencies, minimizing the risk of redesign and certification delays.
- Provides reliable filtering in compact power modules, balancing space constraints with strong suppression performance.
- Helps prevent signal disturbance in sensitive circuits such as industrial controllers, IoT devices, and automotive electronics.



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Features

- Rated voltage 250 V AC
- Rated current 0.45 ... 1.6 A (+40 °C)
- Rated inductance 10 mH to 100 mH
- High inductance with low resistance
- Very small stray inductance for symmetrical interference suppression
- High pulse-handling capability
- Very good inductance/rated current ratio

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (mH)	Lstray typ.(uH)	DCR (mΩ)	Rated Current (A) (max)	TEST FREQ. (f)
UT24LF-103-LF	10.0+50%/-30%	204	291	1.60	10KHz
UT24LF-153-LF	15.0+50%/-30%	291	432	1.30	10KHz
UT24LF-273-LF	27.0+50%/-30%	520	771	0.90	10KHz
UT24LF-393-LF	39.0+50%/-30%	761	1100	0.80	10KHz
UT24LF-473-LF	47.0+50%/-30%	924	1261	0.70	10KHz
UT24LF-683-LF	68.0+50%/-30%	1346	1974	0.60	10KHz
UT24LF-104-LF	100.0+50%/-30%	1937	2931	0.45	10KHz

- Rated voltage VR:250 V AC (50/60Hz)
- Hi-pot Test voltage Vtest:2000 V AC , 2s (Line to Line)
- Rated temperature TR:+40 °C
- Rated current IR: Referred to 50Hz and rated temperature , see the data table
- Rated inductance LR: Measured with LCZ1062 at 10Khz/0.1mA , +20°C inductance is specified per winding .
- Operating temperature range -40°C to +125°C
- Electrical specifications at 25°C