

► SMD Common Mode Choke ► MCL Series

FEATURES

- SMD construction, and low profile.
- High Inductance.
- Self Electromagnetic Shielding.
- Low Magnetic Flux Leakage



APPLICATIONS

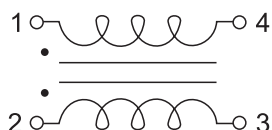
- LED Light, TV game, Monitor, etc. EMI common-mode noise.

PRODUCT IDENTIFICATION

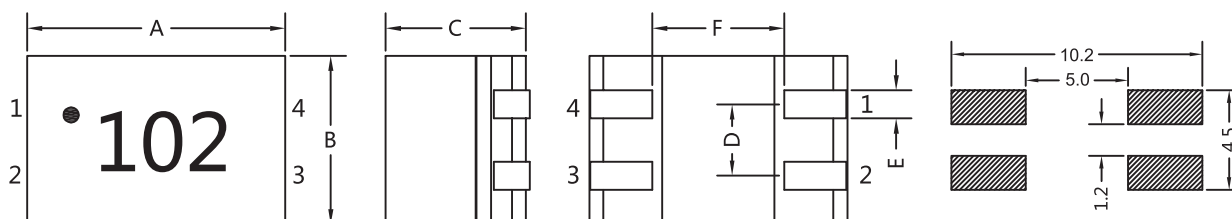
MCL 0905 – 400 N T
a b c d e

- a : Series name
- b : Product dimensions
- c : Inductance Value (1R0:1.0uH; 100: 10uH; 101:100uH)
- d : Inductance Tolerance (K:10% ; M:20% ; N:30% V: Min)
- e : Packaging style (T: Taping; B: bulk)

SCHEMATIC



SHAPES AND DIMENSIONS Unit: mm



Series	A	B	C	D	E	F
MCL0905	9.2±0.3	6.0±0.2	5.0±0.3	2.54±0.2	1.0 Ref	5.7 Ref

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.	DCR (mΩ) max.	Irated.(A) Max	IR (mΩ) Min	Rated Voltage (V) Max
MCL0905-250NT	25	100KHz	0.16	1.0	10	50
MCL0905-400NT	40	100KHz	0.25	0.9	10	50
MCL0905-251NT	250	100KHz	0.13	1.2	10	50
MCL0905-102NT	1000	1KHz	0.31	0.8	10	50
MCL0905-202VT	2200	1KHz	0.42	0.6	10	50
MCL0905-472VT	4700	1KHz	0.90	0.4	10	50
MCL0905-652VT	6500	1KHz	1.05	0.3	10	50

Note:

Irated: The DC current that causes the temperature rise ($\Delta t=40^{\circ}\text{C}$) from 20°C ambient