

Common Mode Choke 22 mm Toroid

POWER MAGNETICS

(CMT02206 Series)

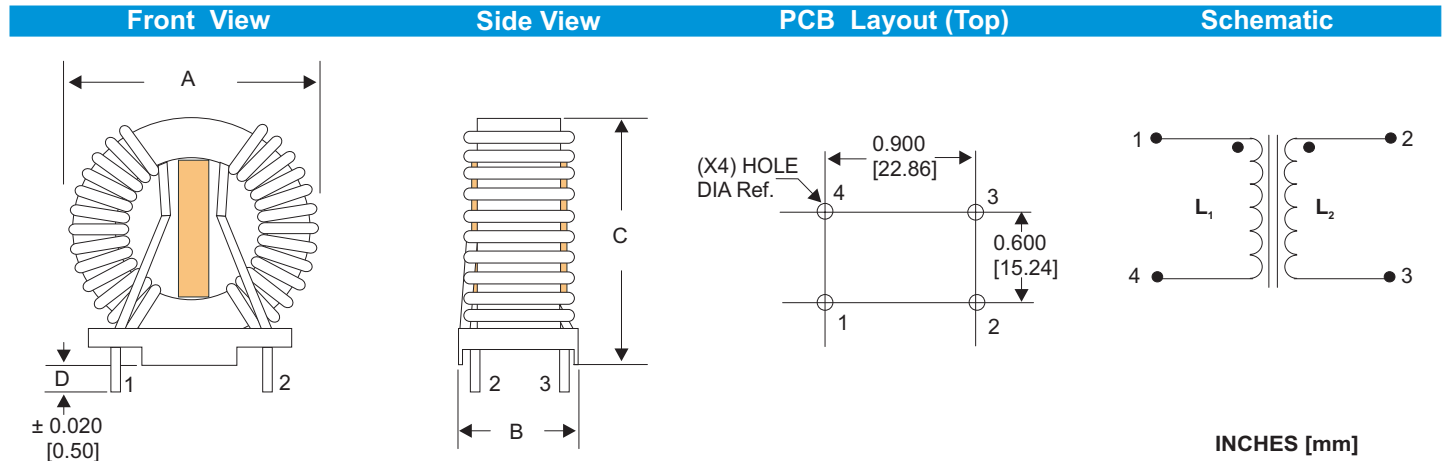
FALCO
electronics



MAX. DIM :
L = 30.48 mm
W = 23.62 mm
H = 33.02 mm

- Frequency range from 50 KHz to 500 KHz.
- Current ratings available up to 25.9 Amps.
- Inductance values available from 0.07 mH to 5.86 mH
- Excellent coupling leakage factor and mode attenuation.
- 3 mm of creepage between windings.
- Parts meet UL, IEC & VDE safety standards.

MECHANICAL SPECIFICATIONS



ELECTRICAL SPECIFICATIONS

5K PERMEABILITY TYPE- SINGLE LAYER WINDING									
FALCO PART NUMBER	L(mH) ¹ min	Freq. (KHz)	DCR (mΩ) NOM.	I _{rms} (Amp) ² max.	A max. in / mm	B max. in / mm	C max. in / mm	D nom. in / mm	Hole Dia. in / mm
T87027	0.0721	10	1.36	25.9	1.200 / 30.48	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.082 / 2.08
T87028	0.1281	10	2.16	20.6	1.200 / 30.48	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.074 / 1.88
T87029	0.1622	10	2.78	18.1	1.200 / 30.48	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.067 / 1.70
T87030	0.2002	10	3.57	16.0	1.200 / 30.48	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.061 / 1.55
T87031	0.3383	10	5.84	12.5	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.055 / 1.40
T87033	0.3924	10	8.21	10.5	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.050 / 1.02
T87034	0.5786	10	11.88	8.8	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.046 / 1.17
T87035	0.6486	10	15.58	7.7	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87036	0.8008	10	20.88	6.6	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87037	0.9690	10	29.18	5.6	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87038	1.0591	10	37.06	5.0	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87039	1.3534	10	53.40	4.1	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87040	2.0500	10	88.22	3.2	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07

1. Inductance tested at 0.25 V.
2. Temperature rise is 40°C Typ.
3. Operating Temp. range -40° to +105°C.
4. OCL and DCR tested at Ta=25°C.

Common Mode Choke 22 mm Toroid

(CMT02206 Series)

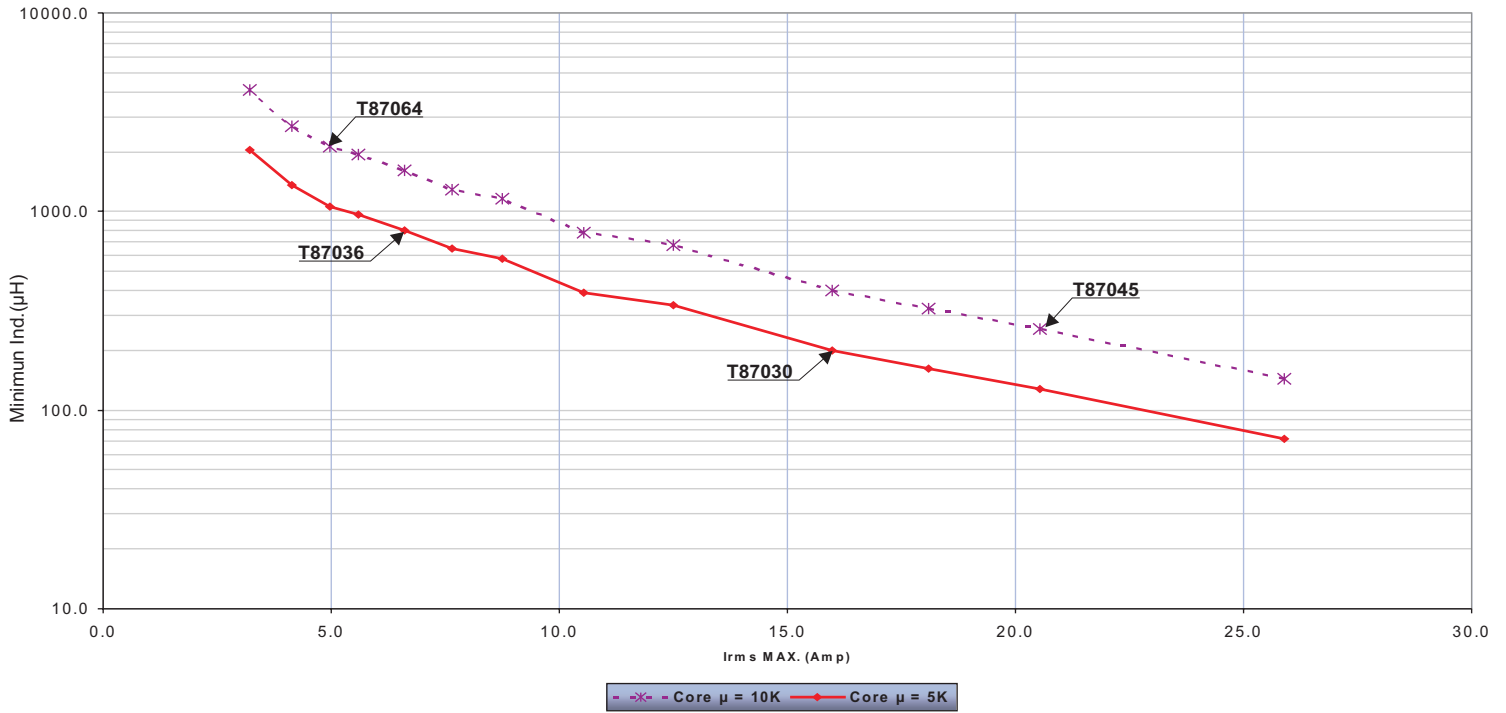


Continuation...

10K PERMEABILITY TYPE- SINGLE LAYER WINDING									
FALCO PART NUMBER	L(mH) ¹ min.	Freq. (KHz)	DCR (mΩ) NOM.	I _{rms} (Amp) ² max.	A max. in / mm	B max. in / mm	C max. in / mm	D nom. in / mm	Hole Dia. in / mm
T87041	0.1441	10	1.36	25.9	1.200 / 30.48	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.082 / 2.08
T87045	0.2563	10	2.16	20.6	1.200 / 30.48	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.074 / 1.88
T87046	0.3243	10	2.78	18.1	1.200 / 30.48	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.067 / 1.70
T87047	0.4004	10	3.57	16.0	1.200 / 30.48	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.061 / 1.55
T87058	0.6767	10	5.84	12.5	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.055 / 1.40
T87059	0.7848	10	8.21	10.5	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.050 / 1.02
T87060	1.1572	10	11.88	8.8	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.046 / 1.17
T87061	1.2973	10	15.58	7.7	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87062	1.6016	10	20.88	6.6	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87063	1.9379	10	29.18	5.6	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87064	2.1181	10	37.06	5.0	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87065	2.7067	10	53.40	4.1	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07
T87066	4.1001	10	88.22	3.2	1.100 / 27.94	0.930 / 23.62	1.300 / 33.02	0.250 / 6.35	0.042 / 1.07

1. Inductance tested at 0.25 V.
2. Temperature rise is 40°C Typ.
3. Operating Temp. range -40° to +105°C.
4. OCL and DCR tested at Ta=25°C.

**Minimum Inductance vs Rms Current Max.
for the Same Core Size**



Core Size (mm)

$\mu = 10K$	$\mu = 5K$
OD = 22	OD = 22
ID = 14	ID = 14
HT = 6	HT = 6