Common-Mode Chokes - ICMC Series

- 2-fo Id current-compensated chokes
- 4-fold current-compensated chokes
- High insertion loss over a wide frequency range
- High inductance values
- Low total losses
- Amorphous and ferrite toroids, encapsulated in polymer materials listed in UL94-V0
- Flat or upright cases
- Operating temperature range -25 °C +70 °C

Electrical Data

Part Number	Ln mH	In A eff	LF µH	Rdc Ω
				2-fold chokes
ICMC12 1M0 1X	2x1	0.5	0.2	0.1
ICMC12 1M7 1X	2x1.7	0.5	0.2	0.15
ICMC12 3M3 1X	1x3.3	0.4	0.25	0.2
ICMC12 4M7 1X	2x4.7	0.4	0.3	0.25
ICMC12 6M8 1X	2x6.8	0.3	0.4	0.3
ICMC12 10M 1X	2x10	0.3	0.45	0.4
ICMC12 12M 1X	2x12.5	0.3	0.5	0.45
ICMC12 28M 1X	2x28	0.25	1	0.8
ICMC12 39M 1X	2x39	0.25	1.1	1
ICMC12 50M 1X	2x50	0.25	1.2	1.1
ICMC12 70M 1X	2x70	0.2	1.4	1.2
				4-fold chokes
ICMC14 1M0 1X	4x1	0.5	0.2	0.1
ICMC14 1M7 1X	4x1.7	0.5	0.25	0.15
ICMC14 3M6 1X	3x3.6	0.4	0.4	0.2
ICMC14 5M0 1X	4x5	0.3	0.45	0.25
ICMC14 6M0 1X	4x6	0.3	0.45	0.3
ICMC14 7M8 1X	4x7.8	0.25	0.5	0.4
ICMC14 10M 1X	4x10	0.25	0.5	0.45
ICMC14 11M 1X	4x11.5	0.2	0.5	0.6
ICMC14 40M 1X	4x40	0.15	0.9	1.2
ICMC14 58M 1X	4x58	0.15	0.5	0.9
ICMC14 90M 1X	4x90	0.15	0.5	1.4

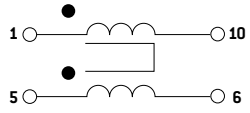
Dielectric strength 500 Vrms for 2 seconds.

Symbols

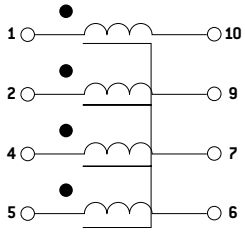
In = permissible rated current of a winding
Ln = rated inductance of a winding
(tol. +50 %/-30 % ; f = 10 kHz ; U = 100 mVrms)
LF = leakage inductance of a winding when all other windings short circuit (nominal value)
Rdc = DC resistance of winding (nominal value)

Connections

2-fold chokes ICMC12 xxx xx

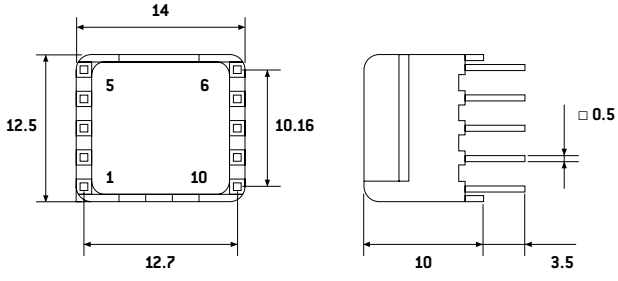
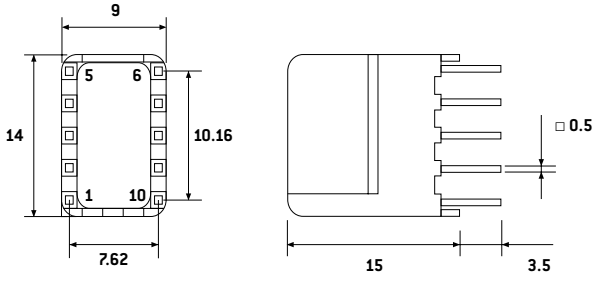


4-fold chokes ICMC14 xxx xx



Typical Dimensions (mm)

Horizontal design ICMCxx xxx xH



Vertical design ICMCxx xxx xV