

Common Mode Inductor For DC/DC Power supply

Single Layer Windings with Spacers specially designed by Rhombus Industries to provide 3mm Creepage and Clearance for International Safety Compliance.

PARAMETER	MIN.	TYP.	MAX.	UNITS
Inductance @ 0.20 Vrms / 1 kHz	1.23		1.84	mH
DCR Max. of each Winding		3.3		mΩ
RMS rated Current for 40°C rise.			55	A
Leakage Inductance		24		μH
Dielectric Strength	1250			Vrms
Creepage Between Windings	3.0			mm

DO NOT EXCEED RATED RMS CURRENT.

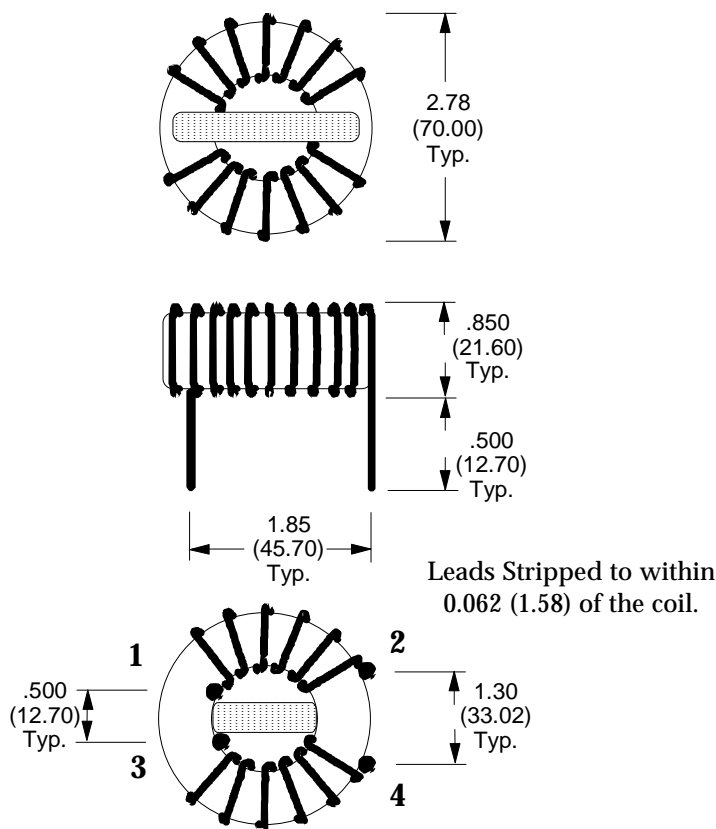
Operating Temperature:
-50°C to +85°C

These parts are made with materials rated for 130°C minimum, and these components can be safely operated up to 130°C. *

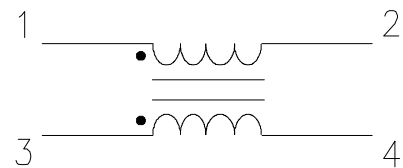
* AMBIENT + TEMPERATURE RISE. In addition, inductance will be effected by an increase in temperature. Typically:

20% increase to 50°C
40% increase to 100°C
65% increase to 130°C

Physical Dimensions - inches (mm)



Schematic Diagram



FREQUENCY (MHz)	IMPEDANCE (Ω)
0.05	450
0.30	3500
0.50	5000
1.00	3500
5.00	1700
10.0	960
20.0	2200
30.0	1000
50.0	500
80.0	240
100	175

LEADS ARE #10 AWG
Lead Diameter .101(2.56)

RHOMBUS P/N: **L-670**

CUST P/N:

NAME:

DATE: 11/08/01

SHEET: 1 OF 1