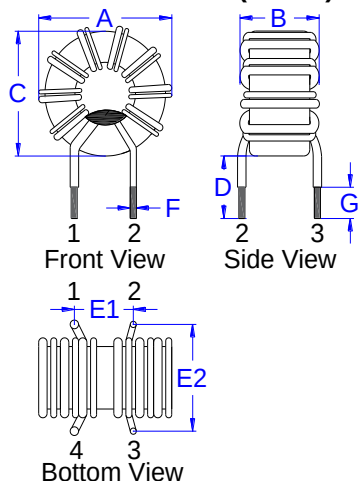
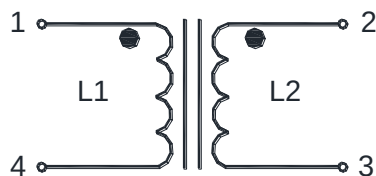


1. Configuration & Dimensions (in mm):



A	13.50	(Max.)	mm
B	7.50	(Max.)	mm
C	13.00	(Max.)	mm
D	10.00	± 1.00	mm
E1	6.00	(Typ.)	mm
E2	5.00	(Typ.)	mm
F	Φ0.50	(Ref.)	mm
G	5.00	(Typ.)	mm

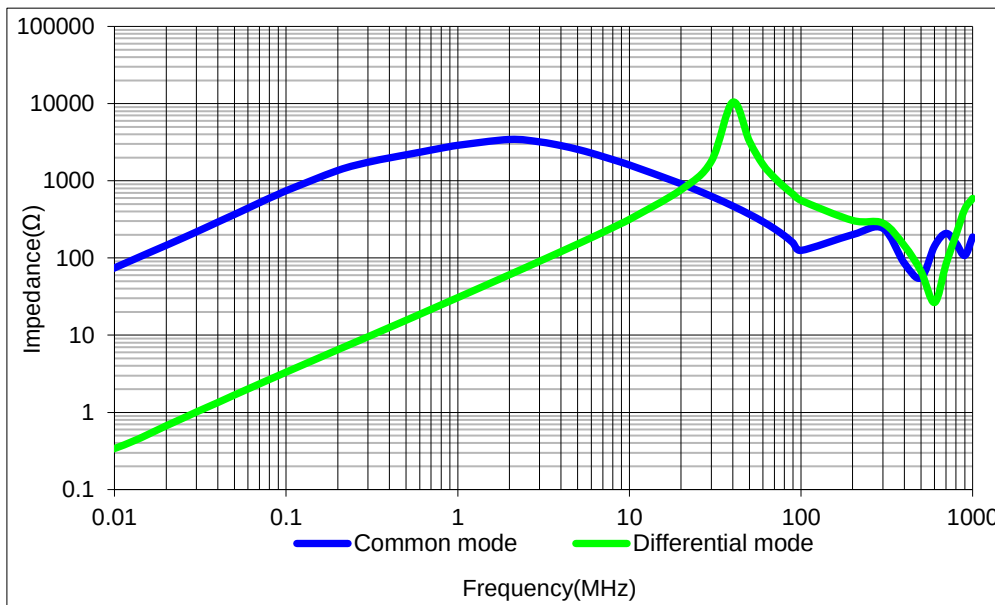
2. Schematic Diagram:



3. Electrical Characteristics:

- 1> Open Circuit Inductance (Pin1~4/ Pin2~3): $1.0\text{mH} \pm 30\%$ at 10KHz, 50mV, 0Adc, at 25°C.
- 2> Open Circuit Inductance $|L1-L2|$: 70.0uH Max at 10KHz, 50mV, 0Adc, at 25°C.
- 3> LK (Pin1~4): 0.5uH Max (Short pin2~3) at 10KHz, 50mV ($T_a=25^\circ\text{C}$).
- 4> LK (Pin2~3): 0.5uH Max (Short pin1~4) at 10KHz, 50mV ($T_a=25^\circ\text{C}$).
- 5> DCR (Pin1~4/ Pin2~3): 32.0mΩ Max. ($T_a=25^\circ\text{C}$).
- 6> Irated: 2.7A Max ($T_a=25^\circ\text{C}$). DC current that causes an approximate temperature rise (ΔT) of 40°C Typ.
- 7> Rated voltage: 250VAC Max.
- 8> Hi-Pot: AC1500V 5mA 2Sec / 50Hz/60Hz (N1 Vs. N2).

4.1 Impedance Characteristics (Typical Impedance vs. Frequency Curve):



REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
P1	2025/6/19	NEW	Colin Lin

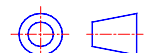
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.3

3PL ± 0.15

Third Angle Projection



ITG Electronics, Inc.

C201699A-102N

Common Mode Choke, 1.0mH, 32.0mΩ
DCR

DWG. NO.

C201699A-102N

SCALE: 1/1

SHEET

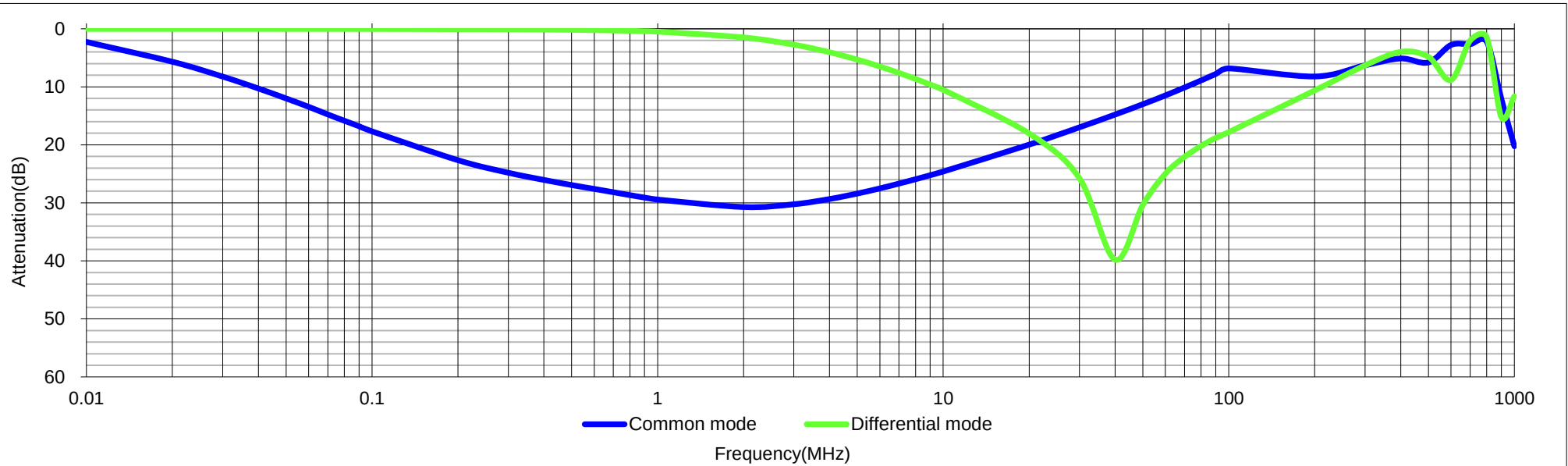
REV.

P1

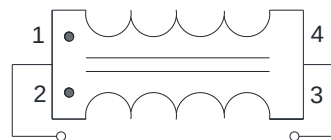
1 OF 2



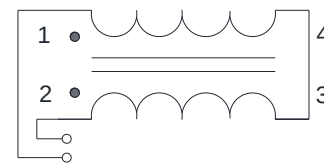
4.2. Attenuation Characteristics (Typical Attenuation vs. Frequency Curve):



Test setup :



Common Mode



Differential Mode

Notes:

- 1>.Operating Temperature Range: -40°C to + 125°C.
- 2>.RoHS Compliance Component.
- 3>.Storage conditions: -25°C ~ 85°C ,75%RH (Max.).

REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
P1	2025/6/19	NEW	Colin Lin

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm.

TOLERANCES
2PL ± 0.3
3PL ± 0.15

Third Angle Projection



ITG Electronics, Inc.

C201699A-102N
Common Mode Choke,1.0mH,32.0mΩ
DCR

DWG. NO.
C201699A-102N

SCALE: 1/1



REV.
P1

SHEET

2 OF 2

Due to continuous product improvement ,all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.