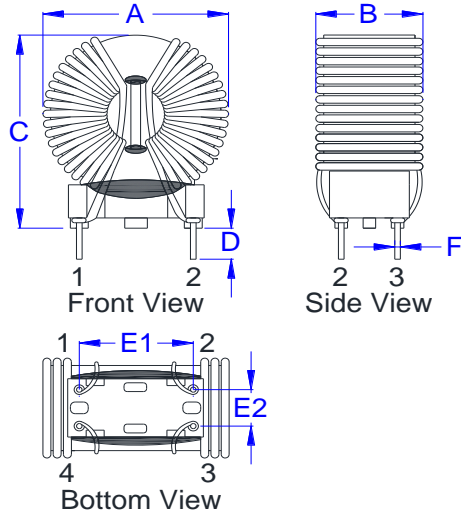
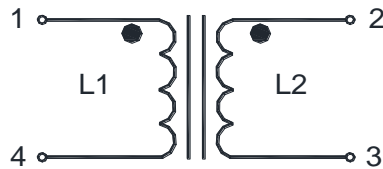


1. Configuration & Dimensions (in mm):



A	18.00	(Max.)	mm
B	14.00	(Max.)	mm
C	20.50	(Max.)	mm
D	3.50	± 0.50	mm
E1	10.00	± 0.50	mm
E2	4.50	± 0.50	mm
F	Φ0.70	(Ref.)	mm

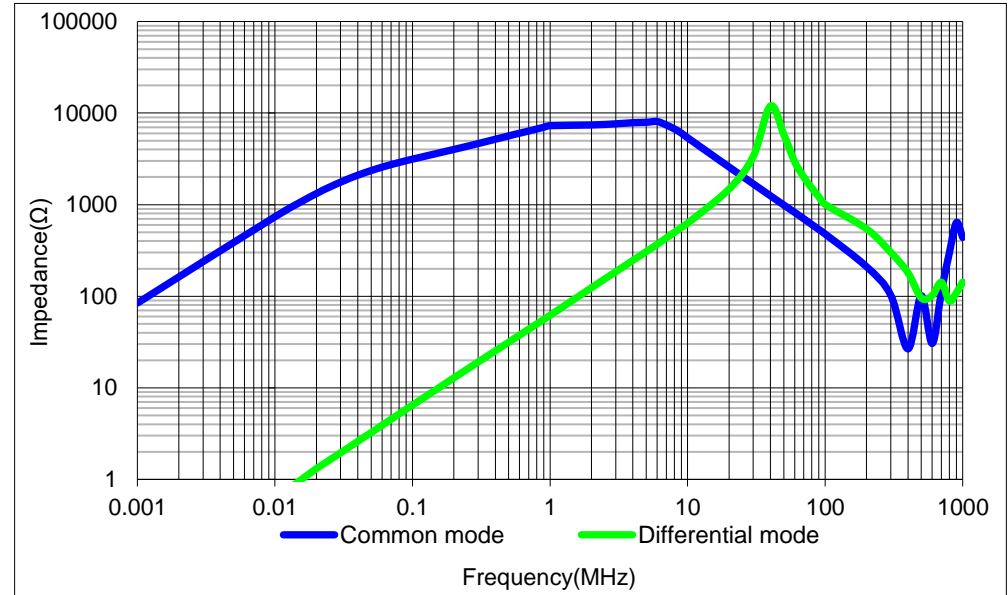
2. Schematic Diagram:



3. Electrical Characteristics:

- Open Circuit Inductance (Pin1~4/ Pin2~3): 10.0mH+50%/-30% at 10KHz, 0.1mA, 0Adc, at 25°C.
- Open Circuit Inductance |L1-L2|: 0.65mH Max at 10KHz, 0.1mA, 0Adc, at 25°C.
- LK (Pin1~4): 25.0uH Max (Short pin 2~3) at 10KHz, 0.1mA (Ta=25°C).
- LK (Pin2~3): 25.0uH Max (Short pin 1~4) at 10KHz, 0.1mA (Ta=25°C).
- DCR (Pin1~4/ Pin2~3): 85.0mΩ Max. (Ta=25°C).
- Irated: 2.0A Max (Ta=70°C) .DC current that causes an temperature rise (ΔT) of 55°C maximum.
- Rated voltage: 300VAC Max.
- Hi-Pot: AC2100V 5mA 2 Sec / 50Hz/60Hz (N1 Vs. N2)

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



REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
P1	2024/7/10	NEW	Anthony yan

UNLESS OTHERWISE SPECIFIED

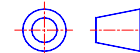
DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.3

3PL ± 0.15

Third Angle Projection



ITG Electronics, Inc.

C201517BQ-103

Common Mode Choke, 10.0mH, 85.0mΩ DCR

DWG. NO.

C201517BQ-103

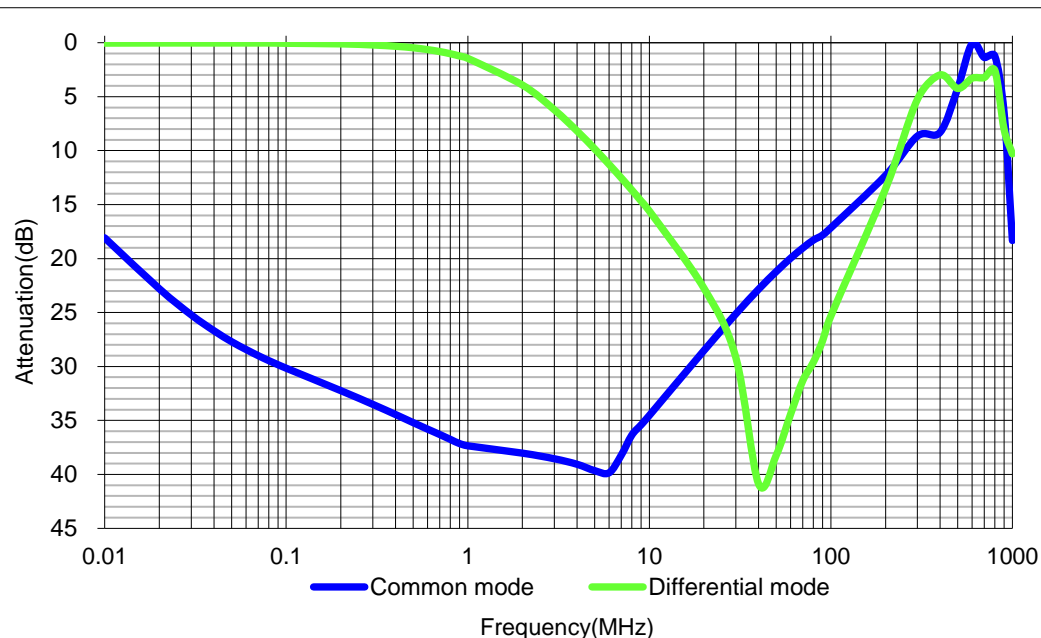
SCALE: 1/1

SHEET

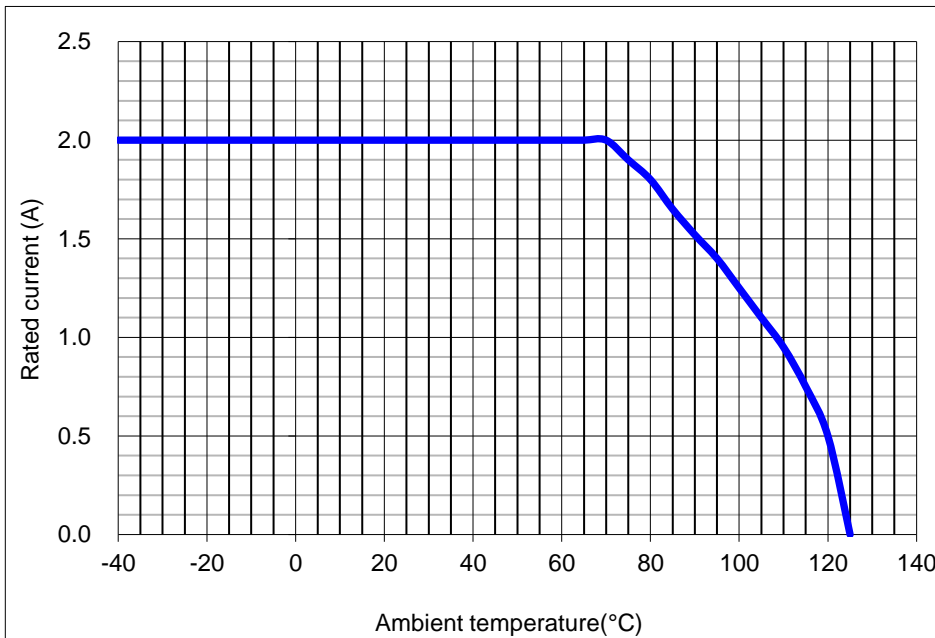
REV.
P1

1 OF 2

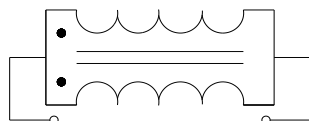
4.2. Attenuation Characteristics (Typical Attenuation vs. Frequency Curve):



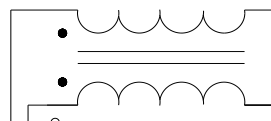
4.3. Rated current vs. Ambient temperature:



Test setup :



Common Mode



Differential Mode

Notes:

- 1>.Operating Temperature Range: -55°C to + 125°C.
- 2>.RoHS Compliance Component.
- 3>.Component Qualification: AEC-Q200 Grade 1.

REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
P1	2024/7/10	NEW	Anthony yan

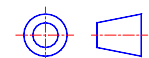
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.3

3PL ± 0.15

Third Angle Projection



ITG Electronics, Inc.

C201517BQ-103

Common Mode Choke, 10.0mH, 85.0mΩ DCR

DWG. NO.

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SCALE: 1/1

SHEET

REV.

P1

2 OF 2

