

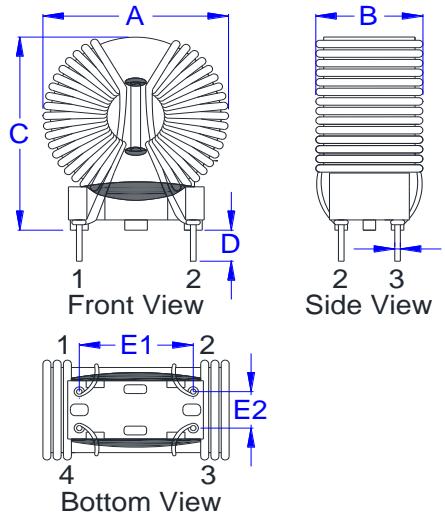
A

B

C

D

E

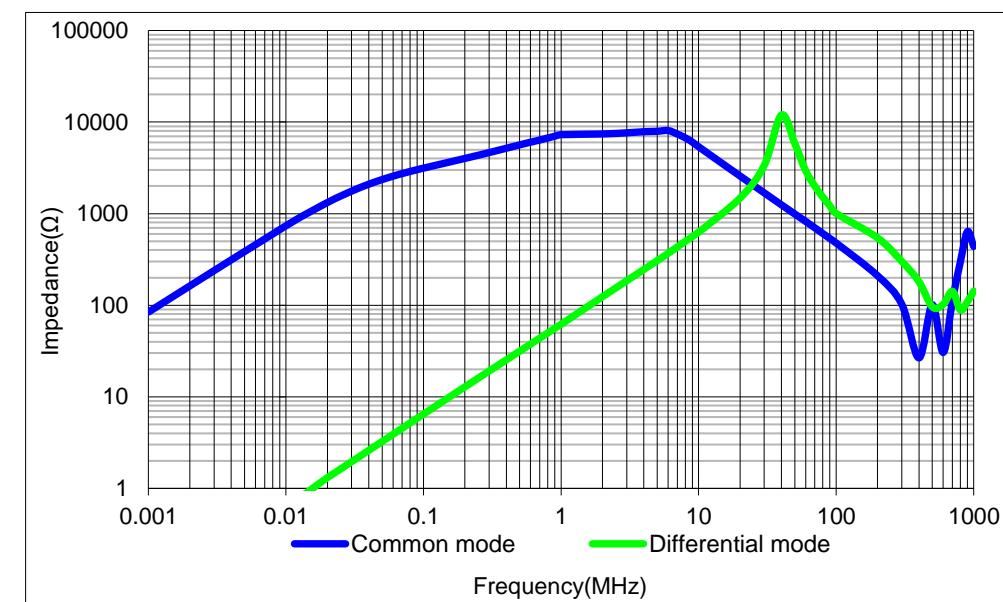
1. Configuration & Dimensions (in mm):


A	18.00	(Max.)	mm
B	14.00	(Max.)	mm
C	20.50	(Max.)	mm
D	3.50	\pm 0.50	mm
E1	10.00	\pm 0.50	mm
E2	4.50	\pm 0.50	mm
F	Φ 0.70	(Ref.)	mm

2. Schematic Diagram:

3. Electrical Characteristics:

- 1> Open Circuit Inductance (Pin1~4/ Pin2~3): 10.0mH+50%/-30% at 10KHz, 0.1mA, 0Adc, at 25°C.
- 2> Open Circuit Inductance |L1-L2|: 0.65mH Max at 10KHz, 0.1mA, 0Adc, at 25°C.
- 3> LK (Pin1~4): 25.0uH Max (Short pin 2~3) at 10KHz, 0.1mA (Ta=25°C).
- 4> LK (Pin2~3): 25.0uH Max (Short pin 1~4) at 10KHz, 0.1mA (Ta=25°C).
- 5> DCR (Pin1~4/ Pin2~3): 85.0mΩ Max. (Ta=25°C).
- 6> Irated: 2.0A Max (Ta=70°C) .DC current that causes an temperature rise (ΔT) of 55°C maximum.
- 7> Rated voltage: 300VAC Max.
- 8> 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 \pm 0.3

3PL \pm 0.15

Third Angle Projection



ITG Electronics, Inc.

C201517BQ-103
Common Mode Choke, 10.0mH, 85.0mΩ DCR



DWG. NO.
C201517BQ-103

REV.
P1

SCALE: 1/1

SHEET

1 OF 2

A

B

C

D

E

A

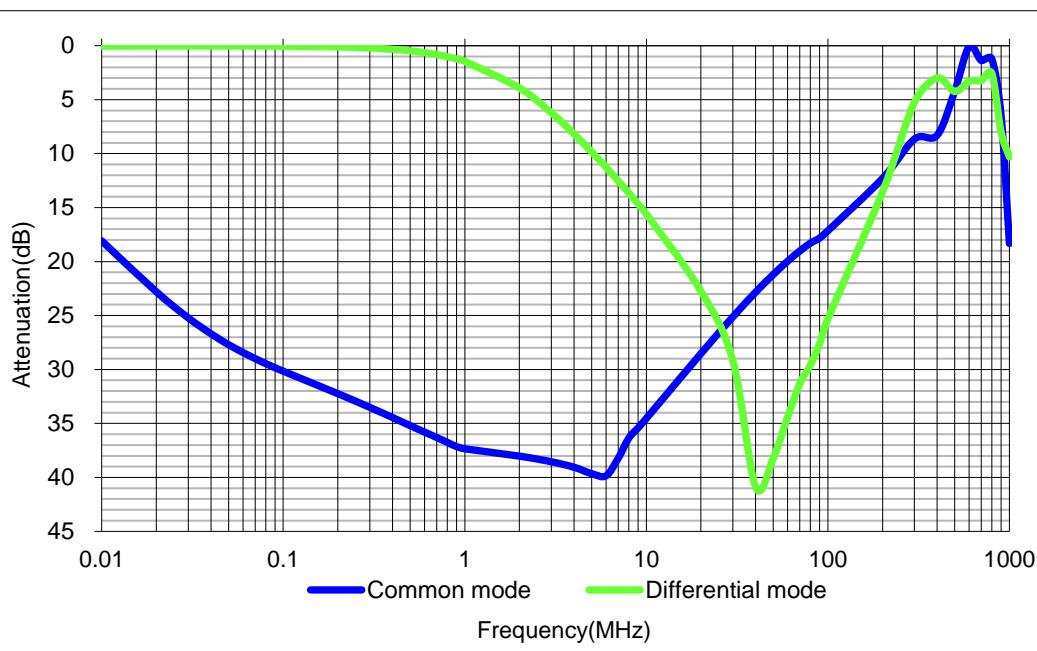
B

C

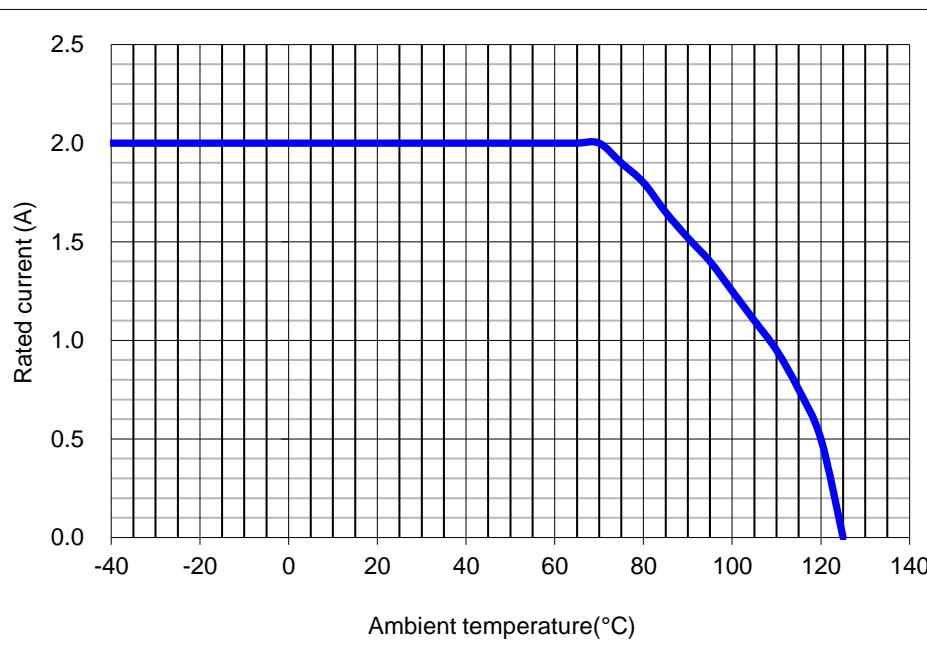
D

E

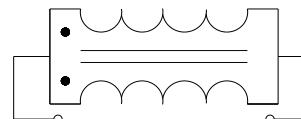
4.2. Attenuation Characteristics (Typical Attenuation vs. Frequency Curve):



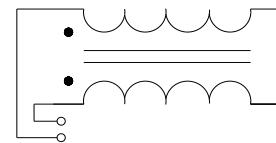
4.3. Rated current vs. Ambient temperature:



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

DESCRIPTION

APPROVED

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****REV.****P1****SCALE: 1/1****SHEET****2 OF 2**

A

B

C

D

E