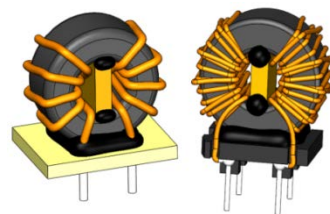


C201305A Series



1. Features of C201305A Series :

- Compact Design 23.00 × 16.00mm Max.(L×W),25.00mm Max. Height CMC.
- Inductance range: 1.00mH~47.0mH,Custom values are welcomed.
- AC common mode noise filter for Power Supplies and Lighting Application.
- Rated Voltage: 250VAC.
- Dielectric strength:1500Vrms,winding to winding.
- UL 94 V-0 Material.
- Operating temperature: -40 to +125°C.
- RoHS Compliant Components.



2. Electrical Characteristics of C201305A Series:

ITG Part Number	OCL ¹ (PIN1-4 / 2-3) (mH) ± 50%	OCL ¹ L1-L2 (uH) Max.	DCR (mΩ) Max. @25°C	Irated ² (A) Max. @25°C	Fig.
C201305A-102	1.00	210.00	3.00	15.00	1
C201305A-162	1.60	260.00	4.50	12.00	1
C201305A-202	2.00	305.00	6.00	10.00	1
C201305A-362	3.60	400.00	15.50	6.50	2
C201305A-542	5.40	445.00	20.00	5.60	2
C201305A-902	9.00	585.00	28.00	5.00	2
C201305A-173	17.00	820.00	50.00	4.00	2
C201305A-333	33.00	1100.00	90.00	2.50	2
C201305A-473	47.00	1335.00	180.00	2.00	2

3. Mechanical Dimension of C201305A Series (Unit: mm):

ITG Part Number	Dim. A (mm) Max.	Dim. B (mm) Max.	Dim. C (mm) Max.	Dim. D (mm) ± 0.50	Dim. E1 (mm) ± 0.50	Dim. E2 (mm) ± 0.50	Dim. F (mm) Ref.
C201305A-102	23.00	16.00	22.50	5.00	7.50	10.70	1.20
C201305A-162	23.00	16.00	22.50	5.00	7.50	10.70	1.10
C201305A-202	23.00	16.00	22.50	5.00	7.50	10.70	1.00
C201305A-362	22.00	14.00	25.00	5.00	7.50	10.70	0.70
C201305A-542	22.00	14.00	25.00	5.00	7.50	10.70	0.70
C201305A-902	22.00	13.50	25.00	5.00	7.50	10.70	0.70
C201305A-173	22.00	13.50	25.00	5.00	7.50	10.70	0.70
C201305A-333	22.00	13.50	25.00	5.00	7.50	10.70	0.70
C201305A-473	22.00	13.50	25.00	5.00	7.50	10.70	0.70

Notes:

1. Open Circuit Inductance (OCL) measured at 10KHz, 0.1mA @ 25°C.
2. Irated: Irate is defined as the applied current level that cause 40 °C temperature rise without force air flow.
3. Impedance measures with both windings in parallel and at ambient temperature(25°C).

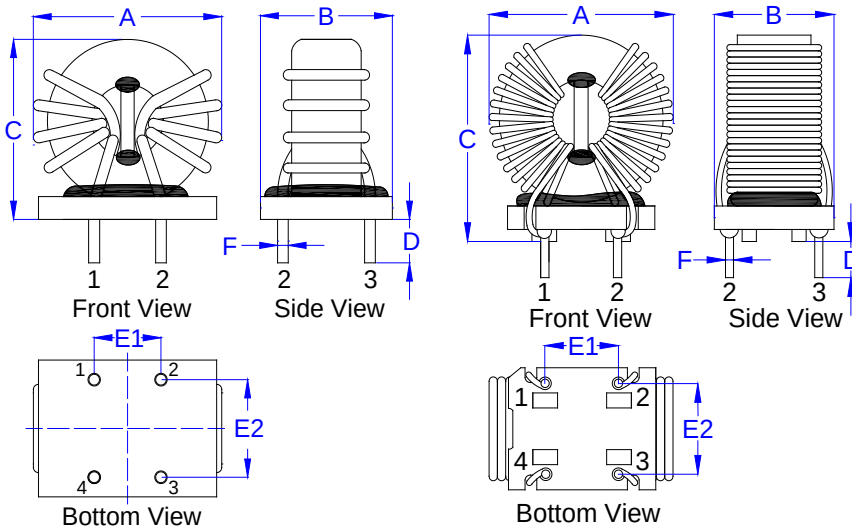
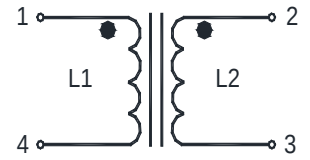
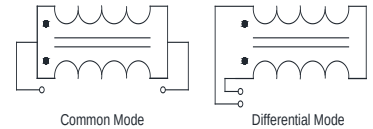


Fig 1

Fig 2

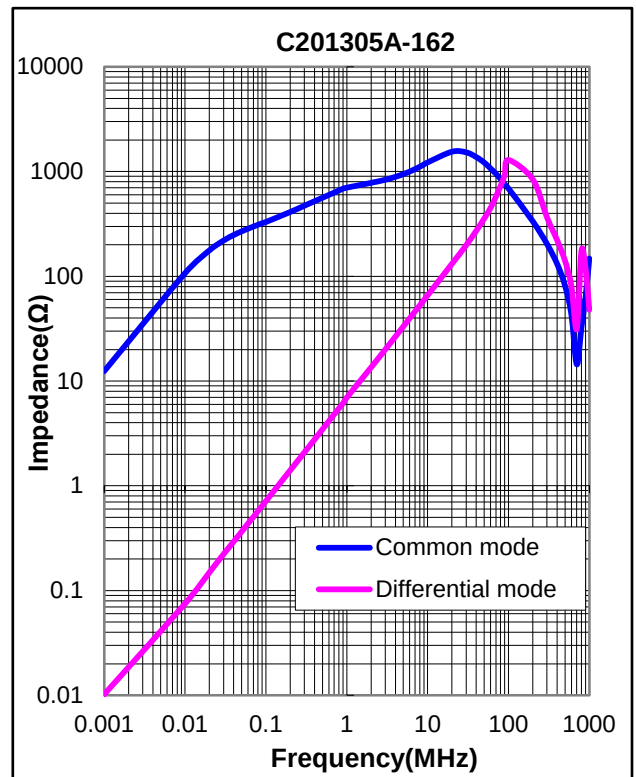
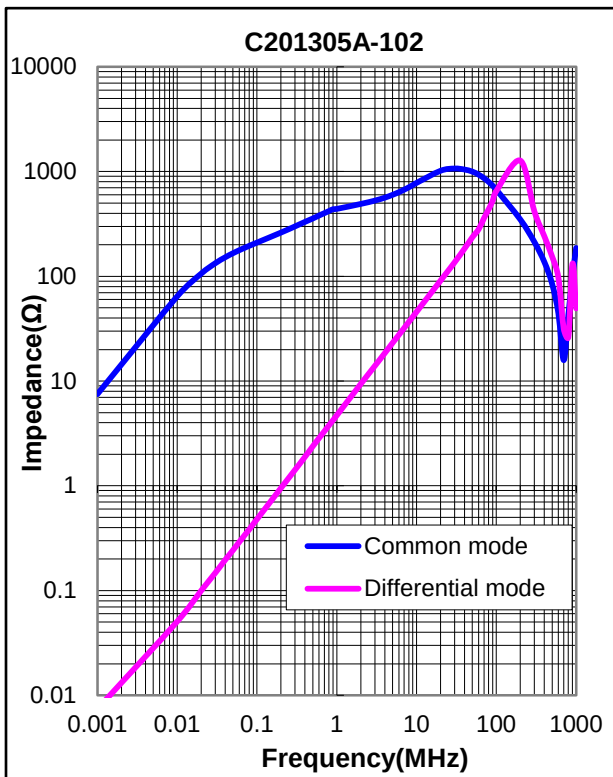


SCHEMATIC DIAGRAM

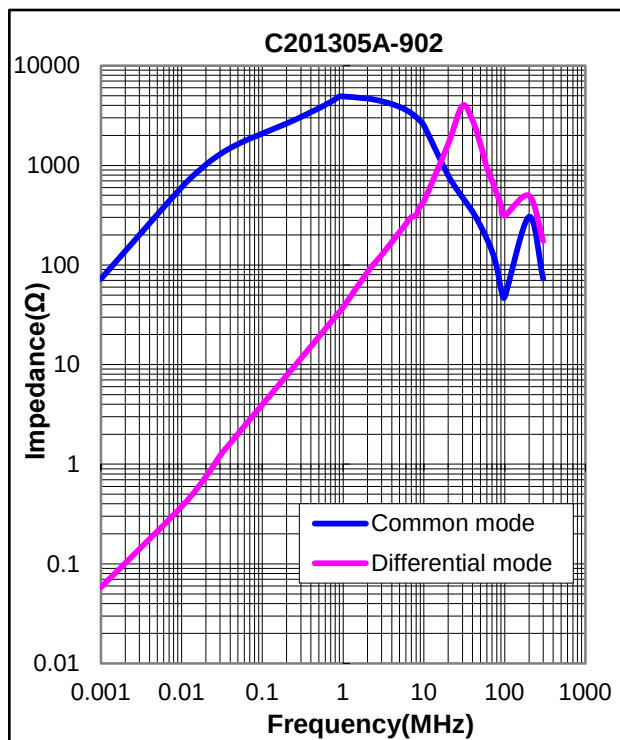
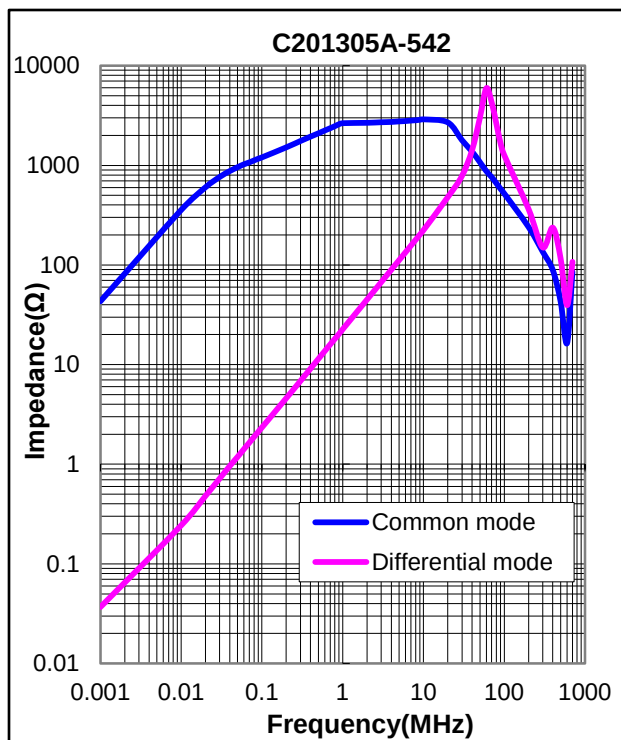
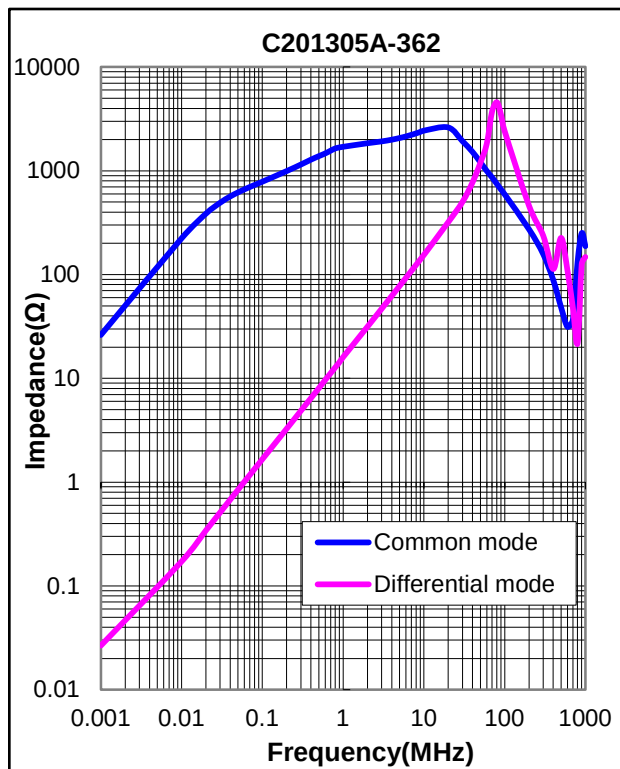
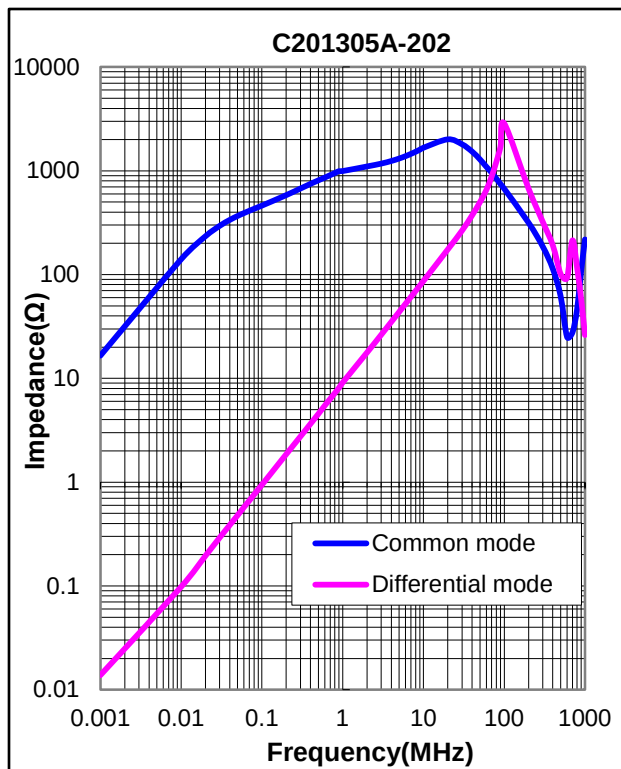


Impedance vs Frequency
test setup

4. Impedance vs Frequency Curve of C201305A Series :



4. Impedance vs Frequency Curve of C201305A Series :



4. Impedance vs Frequency Curve of C201305A Series :

