

1. Features of C201540A Series :

- 25.00 × 17.00mm Max.(L×W),26.50mm Max. Height.
- Inductance range: 1.0mH~20.0mH,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 & HF Compliant Components.

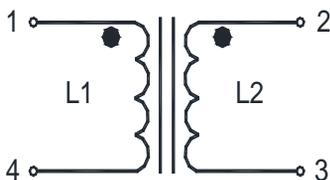


2. Electrical Characteristics of C201540A Series:

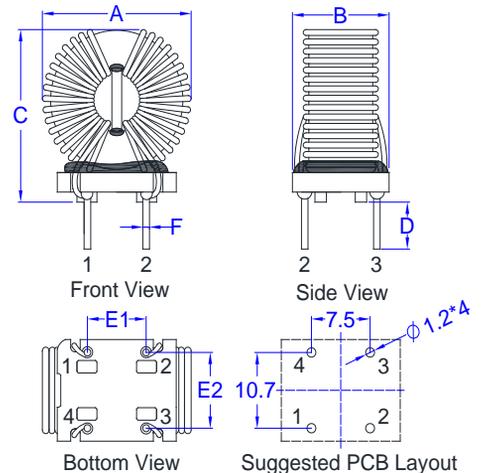
ITG Part Number	OCL ¹ (PIN1-4 / 2-3) (mH) ± 30%	OCL ¹ L1-L2 (uH) Max.	DCR (mΩ) Max. @25°C	Irated ² (A) Max.	Dim. A (mm) Max.	Dim. B (mm) Max.	Dim. C (mm) Max.
C201540A-102NHF	1.00	113.00	13.00	6.00	25.00	17.00	26.50
C201540A-222NHF	2.20	162.00	30.00	4.00	23.50	13.80	25.50
C201540A-332NHF	3.30	192.00	53.00	2.80	23.50	13.50	25.50
C201540A-502NHF	5.00	241.00	95.00	2.50	23.00	13.50	25.50
C201540A-103NHF	10.00	340.00	125.00	2.00	23.00	13.80	25.50
C201540A-203NHF	20.00	478.00	270.00	1.50	23.00	13.80	25.50

3. Mechanical Dimension of C201540A Series (Unit:mm):

A Max.	B Max.	C Max.	D ±0.50	E1 ±0.50	E2 ±0.50	F Ref.
See table above	See table above	See table above	3.00	7.50	10.70	Φ0.70



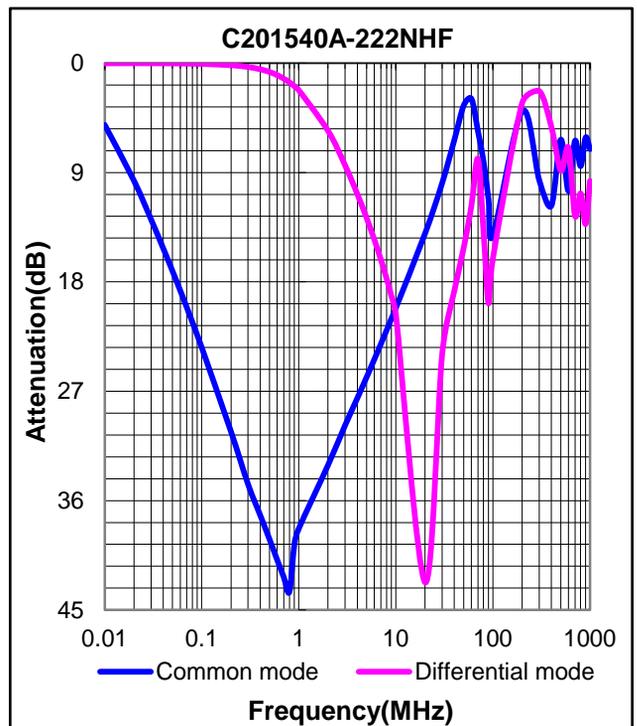
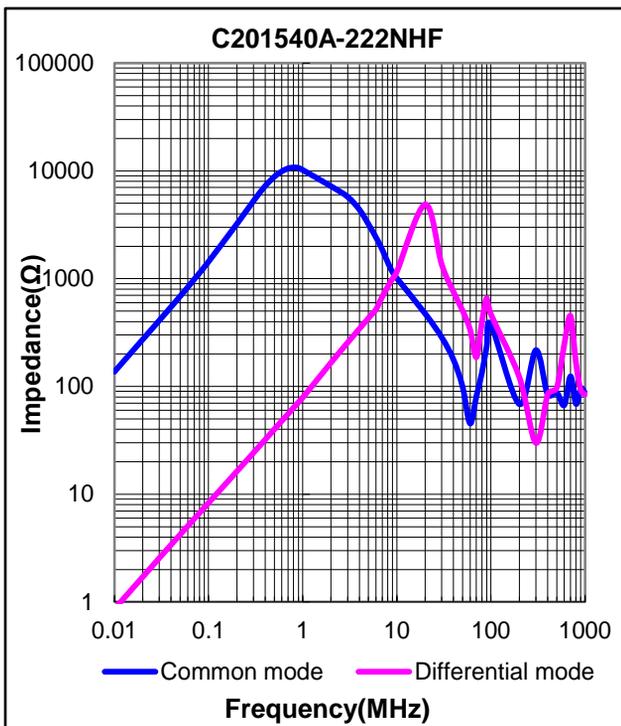
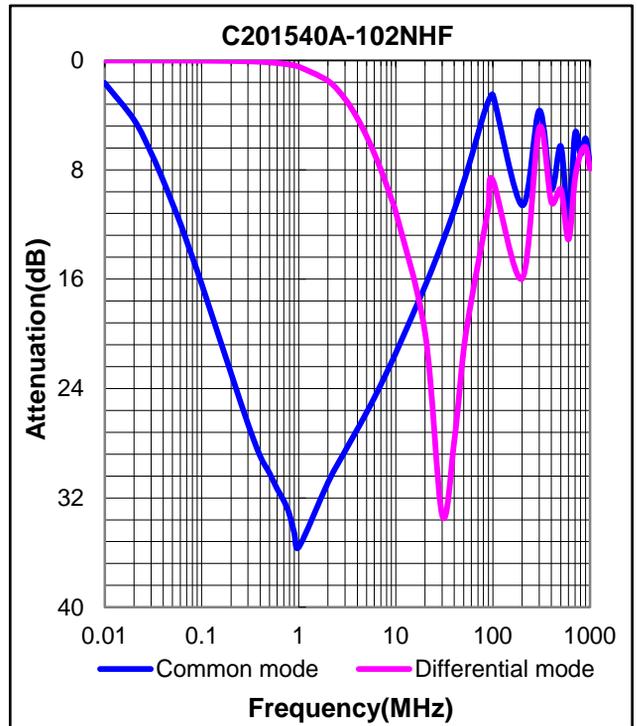
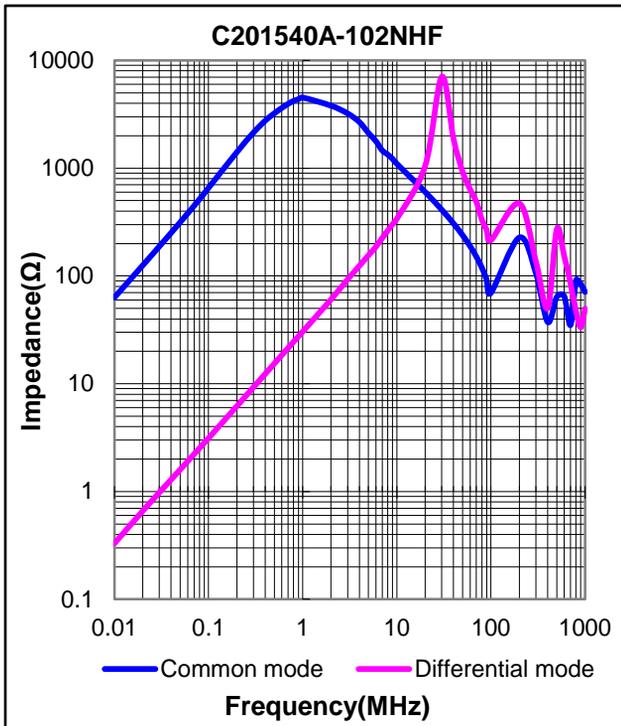
SCHEMATIC DIAGRAM



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.

4. Typical Impedance and Typical Attenuation vs Frequency Curve of C201540A Series :



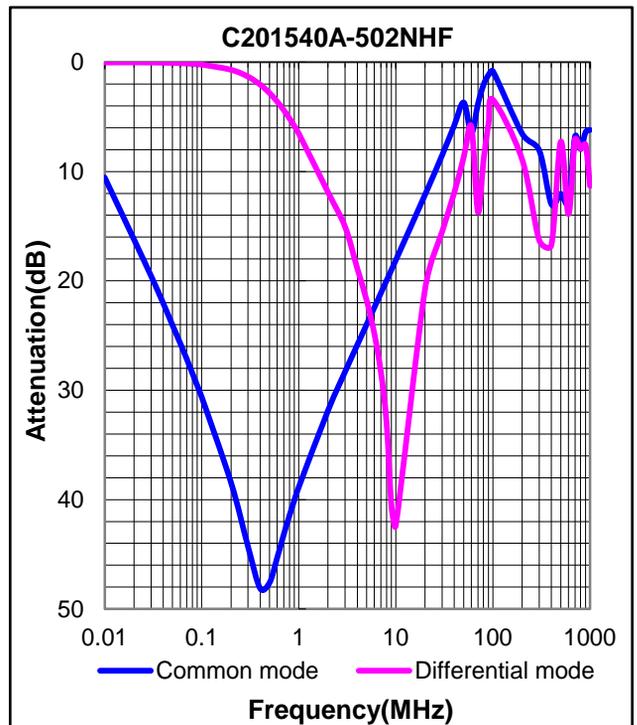
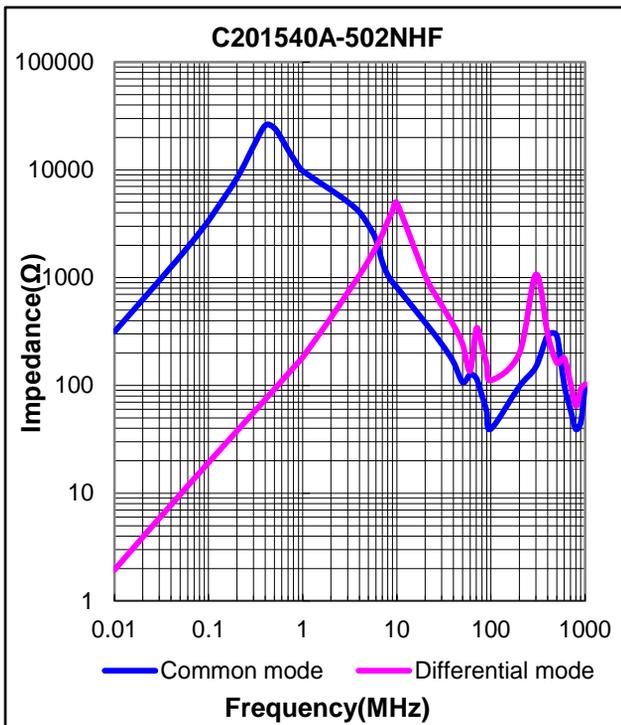
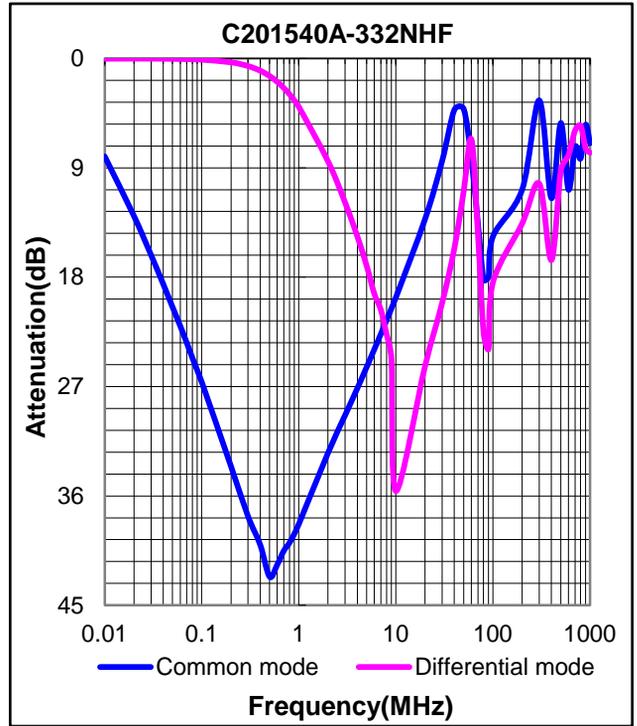
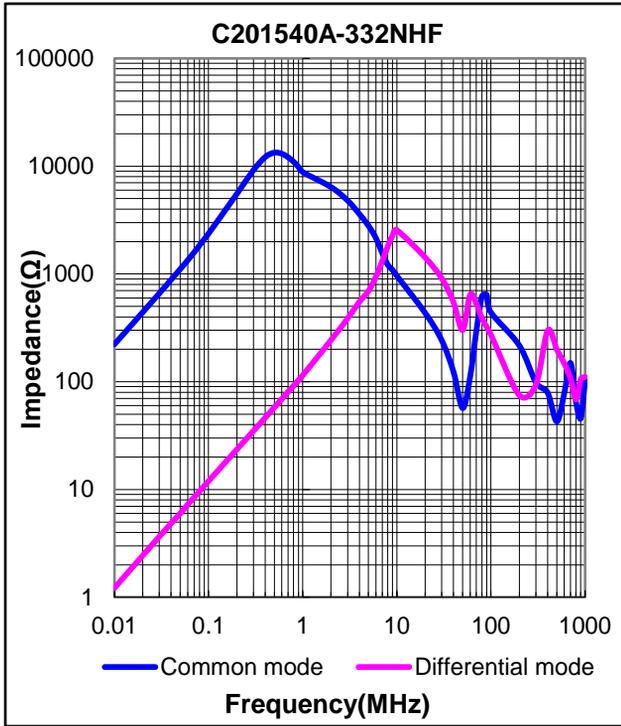


C201540A Series



Halogen Free

4. Typical Impedance and Typical Attenuation vs Frequency Curve of C201540A Series :



● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
 ● Japan 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision A.0: August 25, 2023

*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.

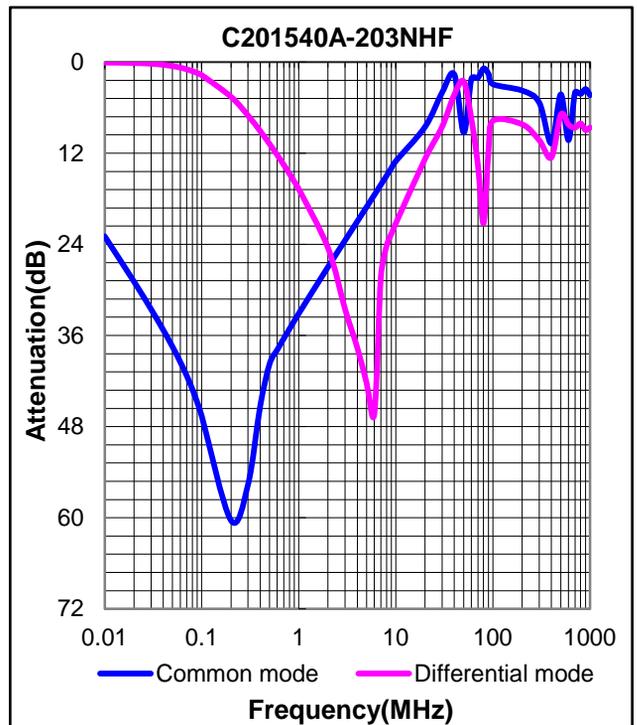
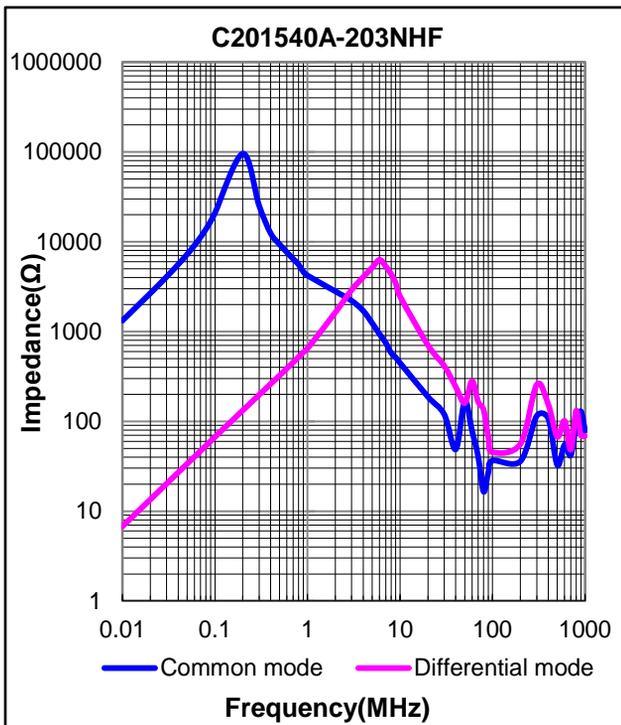
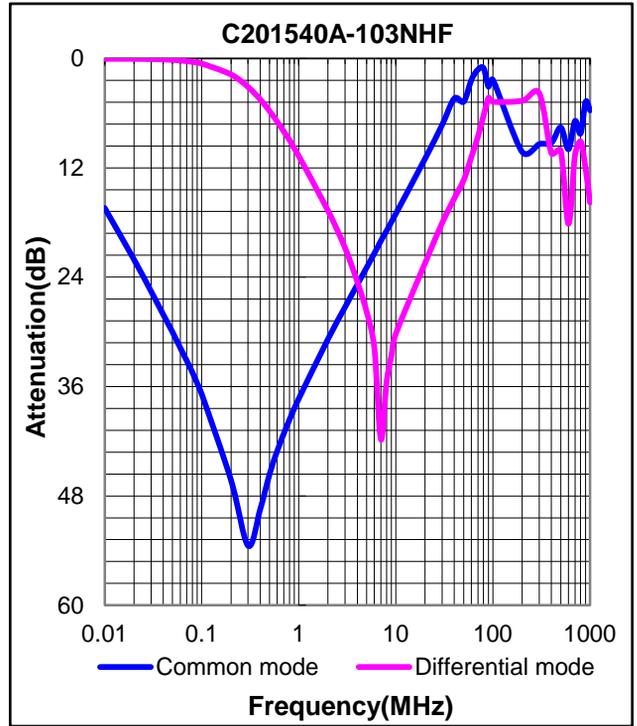
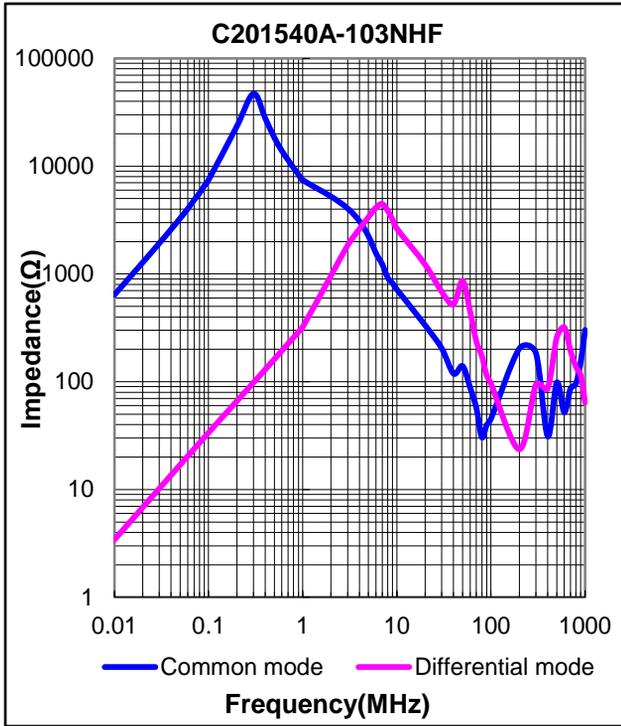


C201540A Series



Halogen Free

4. Typical Impedance and Typical Attenuation vs Frequency Curve of C201540A Series :



● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
 ● Japan 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767
 ● sales@ITG-Electronics.com ● www.ITG-Electronics.com Revision A.0: August 25, 2023

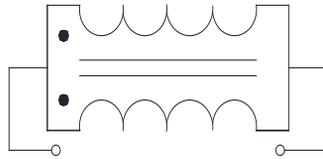
*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.



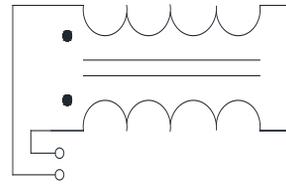
C201540A Series



Test setup :



Common Mode



Differential Mode