

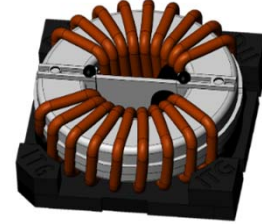


C301306H Series



1. Features of C301306H Series :

- 44.00 × 48.00mm Max.(L×W),34.00mm Max. Height.
- Inductance range: 0.52mH~1.55mH,Custom values are welcomed.
- Rugged Design Common Mode Chokes filter for industrial application.
- Rated Voltage: 600VAC / 1000VDC.
- Dielectric strength: 2500VAC / 3500VDC,winding to winding.
- UL 94 V-0 Material.
- Operating temperature: -40 to +125°C.
- RoHS Compliant Components.

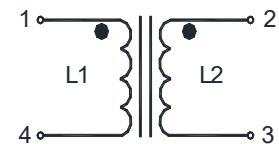


2. Electrical Characteristics of C301306H Series:

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. F1 (mm) ±0.10	Dim. H (mm) Ref.
C301306H-521N	0.52	60.00	3.40	35.00	Φ2.20	Φ2.60
C301306H-731N	0.73	85.00	3.40	35.00	Φ2.20	Φ2.60
C301306H-781N	0.78	75.00	6.00	23.00	Φ1.80	Φ2.20
C301306H-901N	0.90	95.00	4.50	28.00	Φ2.00	Φ2.40
C301306H-102N	1.04	120.00	3.40	35.00	Φ2.20	Φ2.60
C301306H-112N	1.10	105.00	6.00	23.00	Φ1.80	Φ2.20
C301306H-122N	1.28	135.00	4.50	28.00	Φ2.00	Φ2.40
C301306H-152N	1.55	150.00	6.00	23.00	Φ1.80	Φ2.20

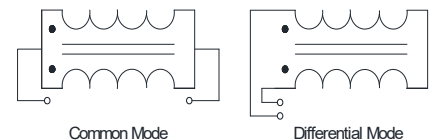
3. Mechanical Dimension of C301306H Series (Unit:mm):

A	B	C	E1	E2	E3	F1	F2	G	H
Max.	Max.	±1.00	±0.40	±0.40	±0.40	±0.10	±0.10	Max.	Ref.
44.00	48.00	5.00	11.00	28.00	30.00	See table above	Φ1.20	34.00	See table above

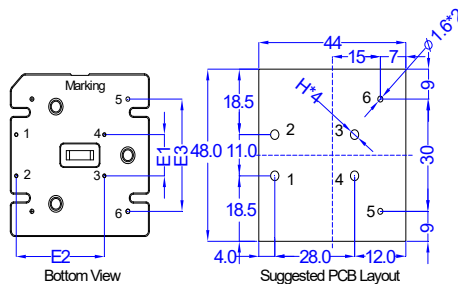
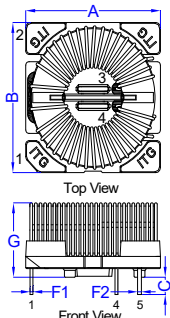


SCHEMATIC DIAGRAM

Impedance vs Frequency test setup



Third Angle Projection:



Notes:

1. Open Circuit Inductance (OCL) measured at 100KHz,0.05V @ 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).
4. Hole 5 and hole 6 are for mounting stability only in suggest PCB layout.

● 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.1: June 17, 2021

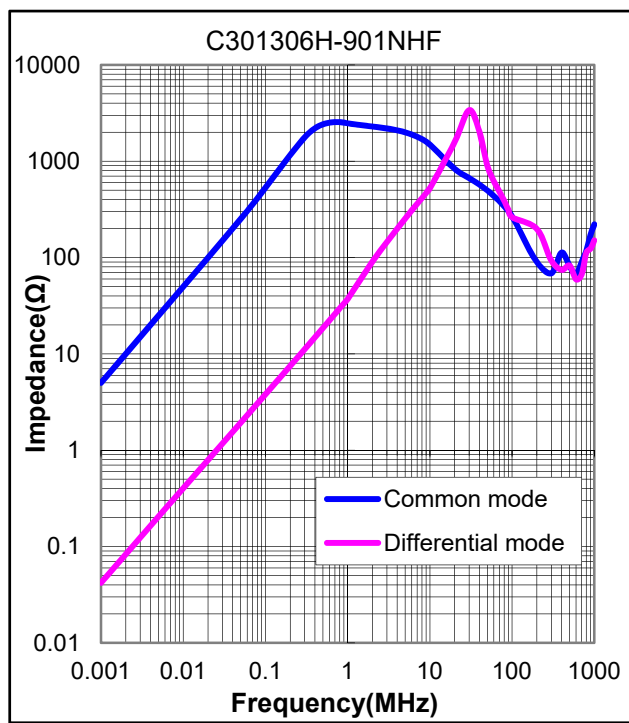
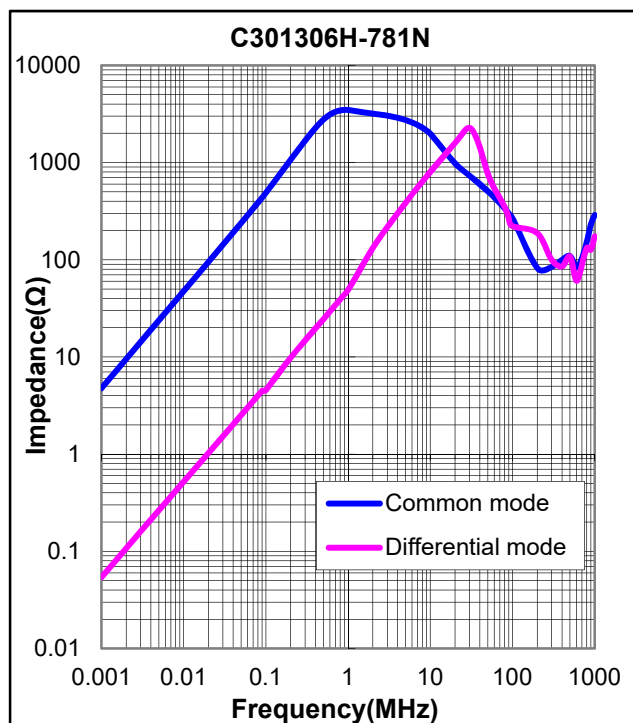
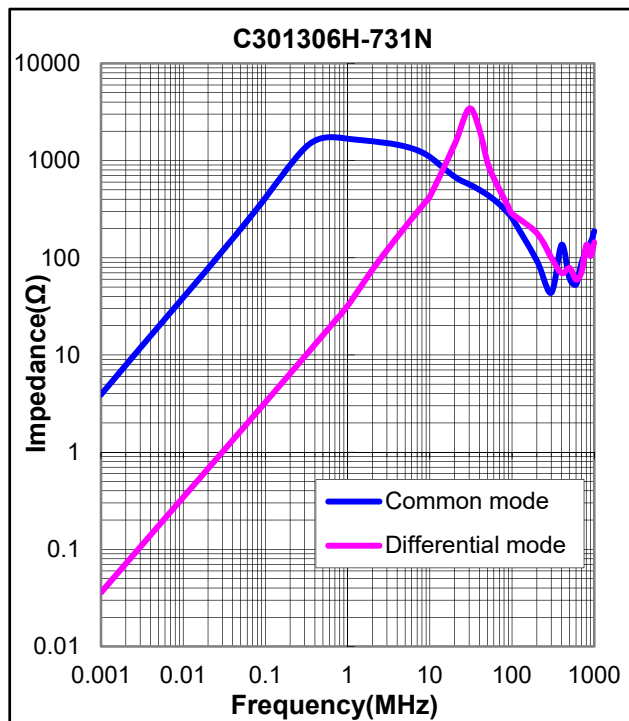
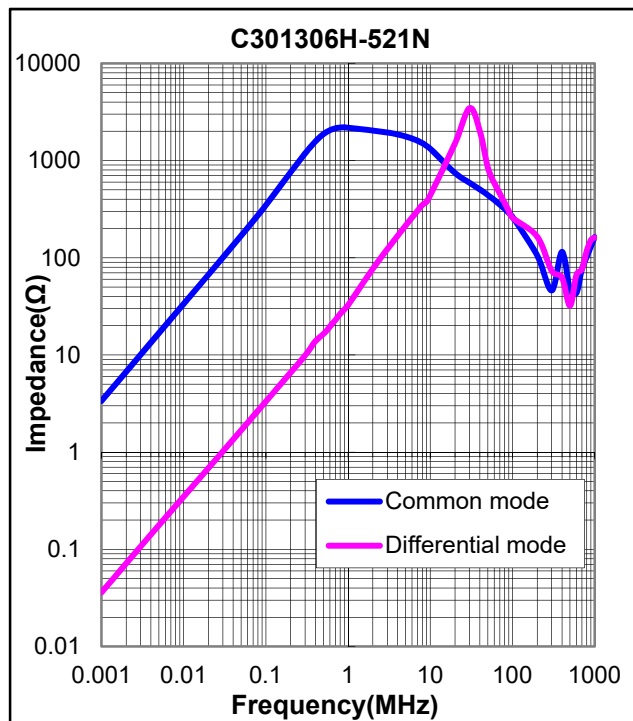
*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.



C301306H Series



4. Impedance vs Frequency Curve of C301306H Series :



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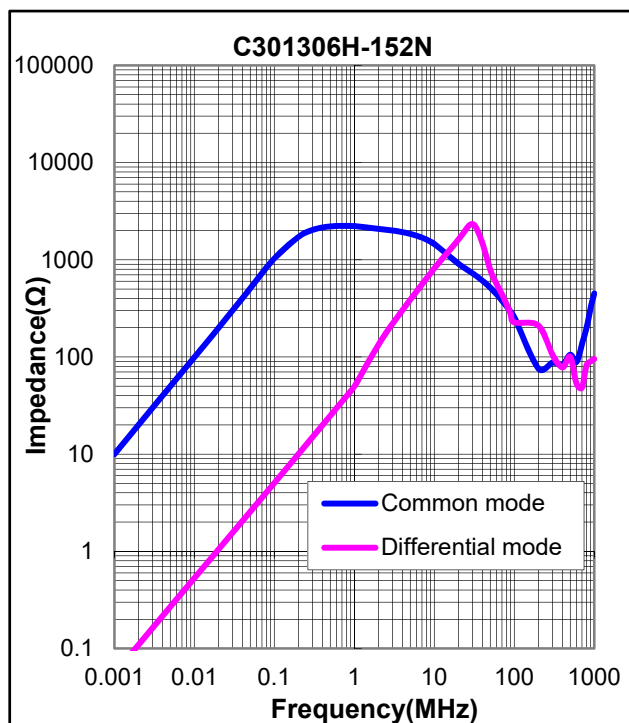
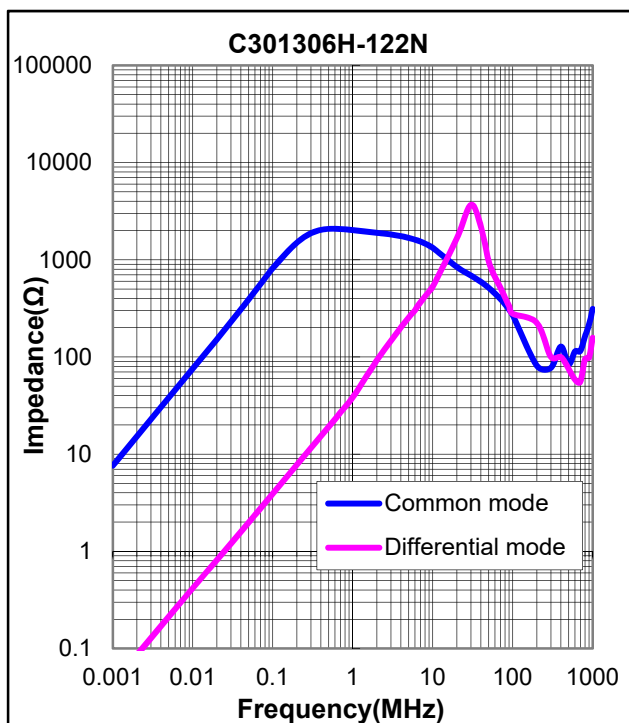
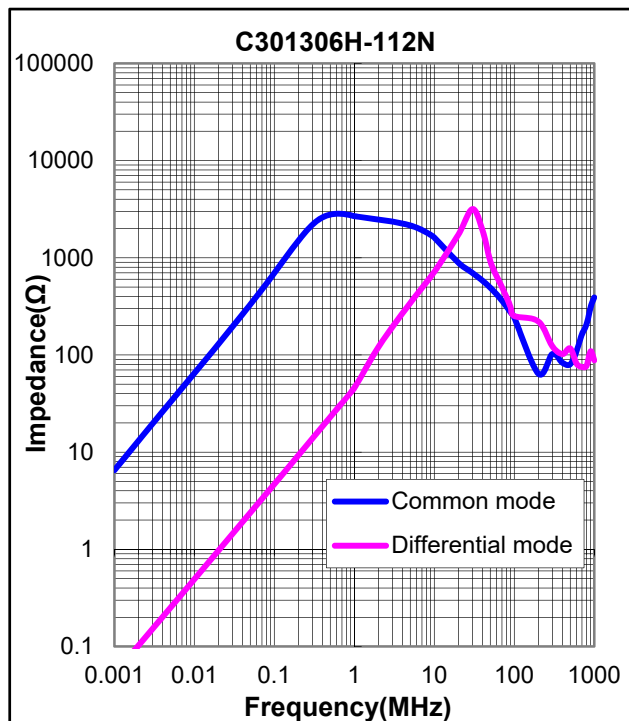
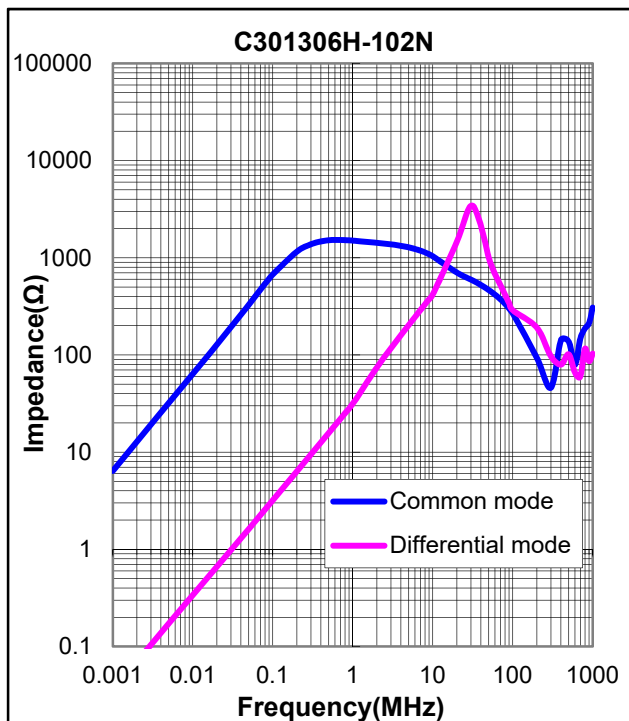
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