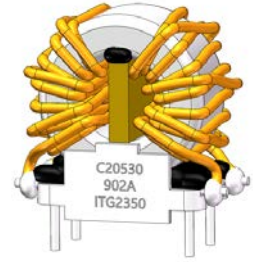


1. Features of C20530A Series :

- 35.0 × 19.5mm Max.(L×W), 34.0mm Max. Height.
- Inductance range: 4.5mH~65.0mH,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 C20530A Series:

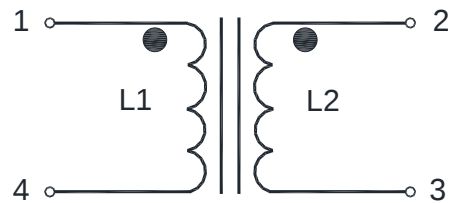
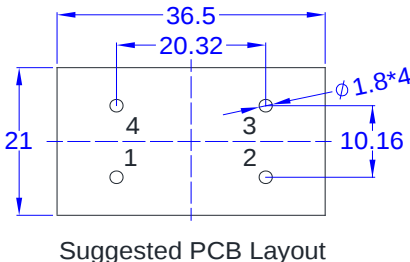
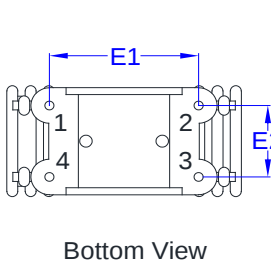
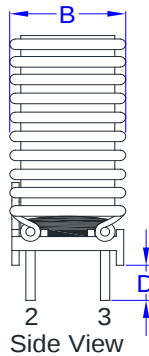
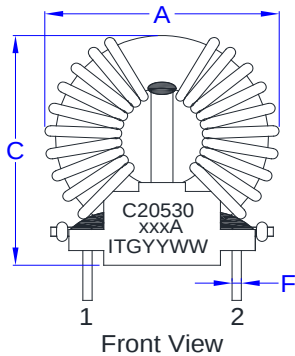
ITG Part Number	OCL ¹ (PIN1-4 / 2-3) (mH) ± 35%	OCL ¹ L1-L2 (mH) Max.	DCR (mΩ) Max. @25°C	I _{rated} ² (A) Max.
C20530A-452	4.50	0.67	5.60	17.00
C20530A-602	6.00	0.75	6.20	16.00
C20530A-702	7.00	0.84	6.90	15.50
C20530A-902	9.00	0.93	7.80	14.50
C20530A-103	10.50	1.02	12.00	11.00
C20530A-143	14.00	1.20	19.50	8.50
C20530A-233	23.50	1.46	36.00	5.50
C20530A-453	45.00	2.00	85.00	3.60
C20530A-653	65.00	2.53	138.00	2.80

Notes:

1. Open Circuit Inductance (OCL) measured at 10KHz,0.1Vrms @ 25°C.
2. I_{rated}: I_{rate} is defined as the applied current level that cause 40 °C temperature rise without force air flow.

3. Mechanical Dimension of C20530A Series (Unit:mm):

ITG Part Number	Dim. A (mm) Max.	Dim. B (mm) Max.	Dim. C (mm) Max.	Dim. D (mm) ±0.5	Dim. E1 (mm) ±0.5	Dim. E2 (mm) ±0.5	Dim. F (mm) ±0.1
C20530A-452	35.00	19.50	33.00	5.00	20.32	10.16	Φ1.27
C20530A-602	35.00	19.50	33.00	5.00	20.32	10.16	Φ1.27
C20530A-702	35.00	19.50	34.00	5.00	20.32	10.16	Φ1.27
C20530A-902	35.00	19.50	34.00	5.00	20.32	10.16	Φ1.27
C20530A-103	33.50	19.50	34.00	5.00	20.32	10.16	Φ1.27
C20530A-143	33.00	18.50	34.00	5.00	20.32	10.16	Φ1.27
C20530A-233	32.00	17.50	34.00	5.00	20.32	10.16	Φ1.27
C20530A-453	32.00	17.50	34.00	5.00	20.32	10.16	Φ1.27
C20530A-653	32.00	17.50	34.00	5.00	20.32	10.16	Φ1.27



SCHEMATIC DIAGRAM

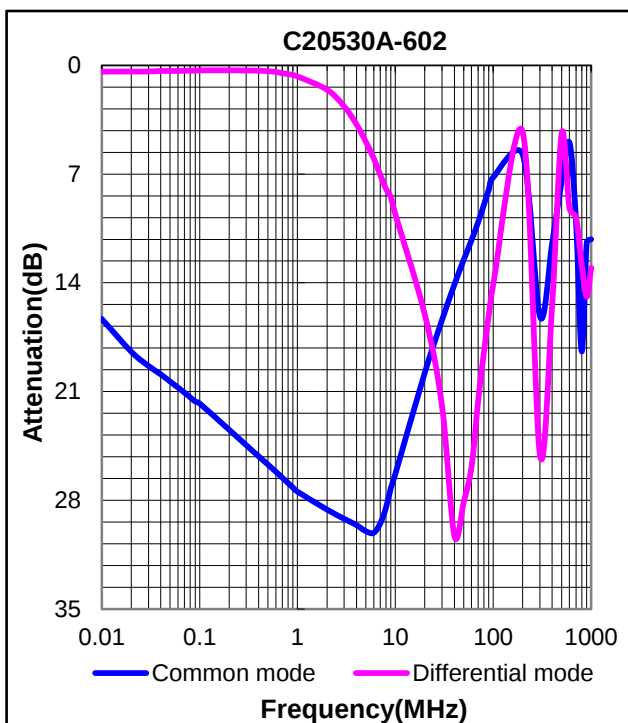
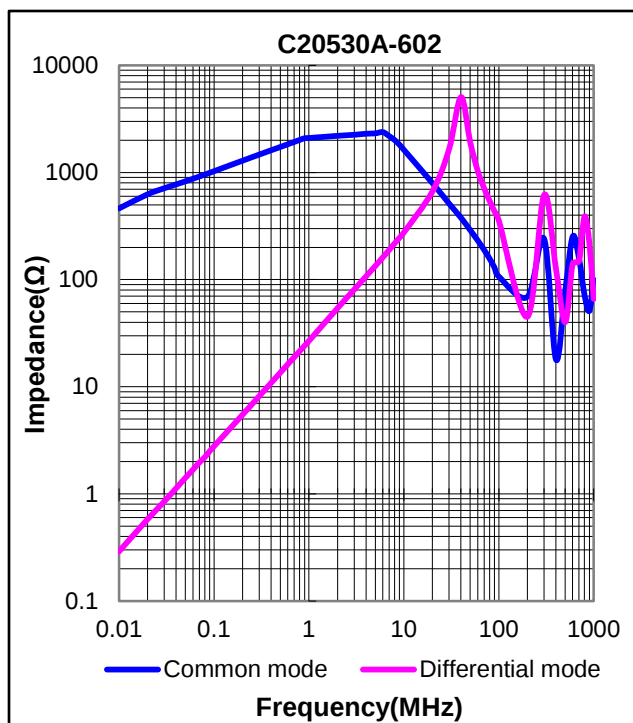
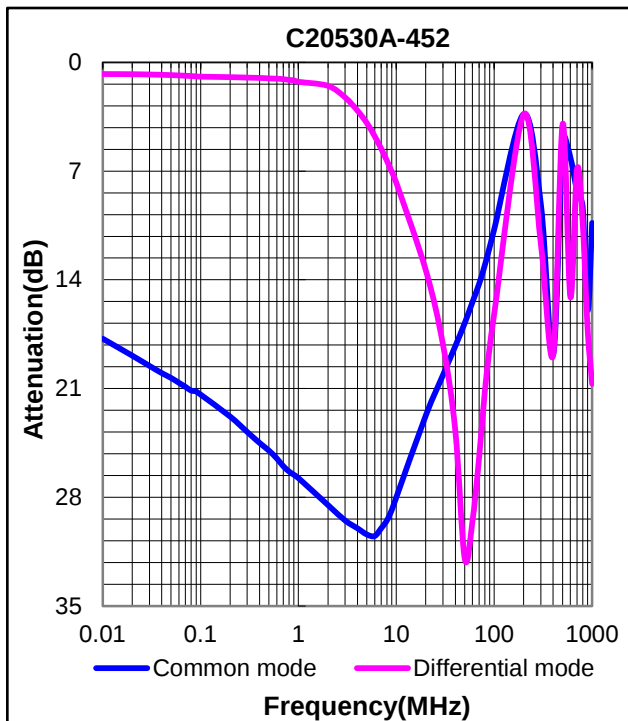
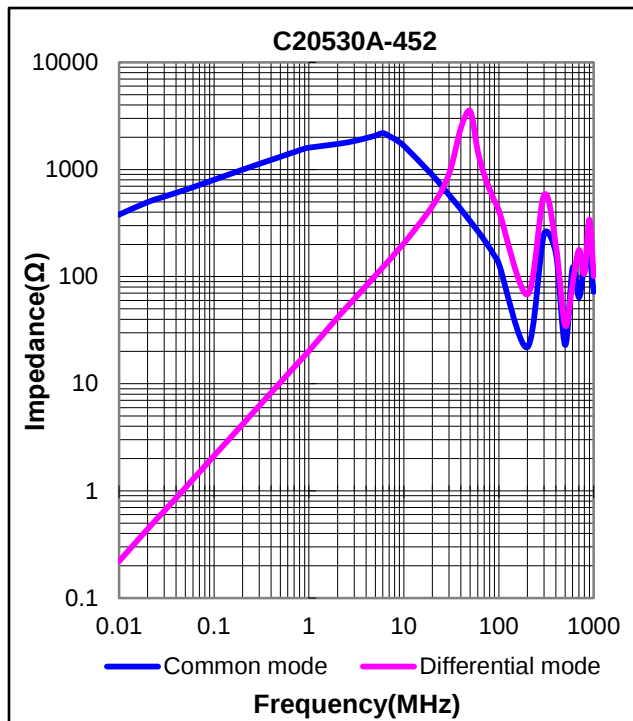
Part Marking:

C20530: Series Name.

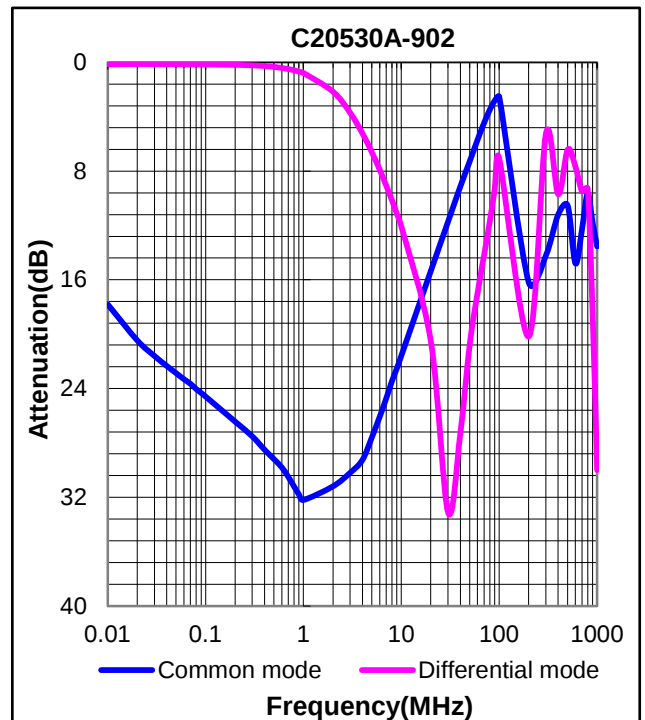
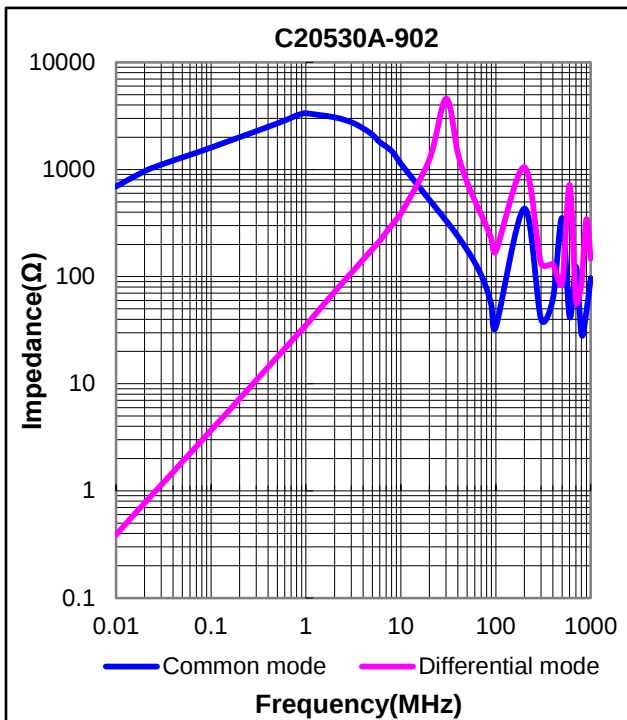
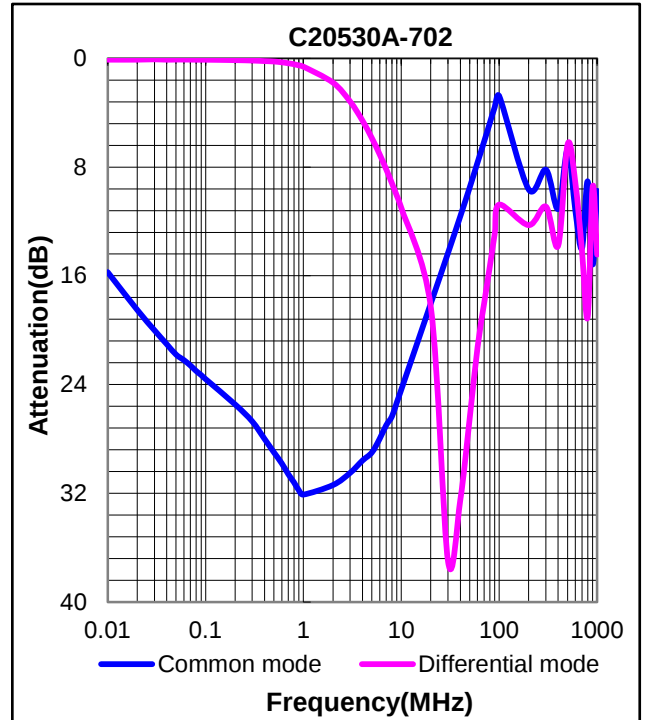
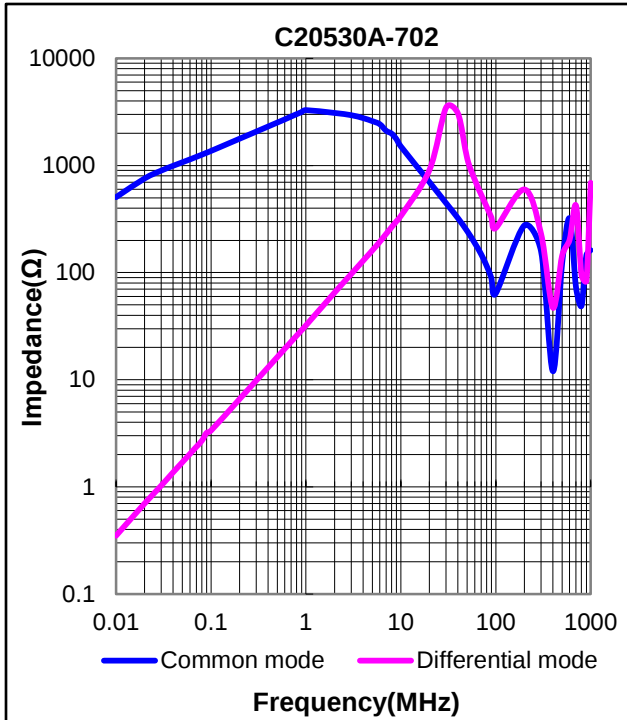
xxxA: xxx is inductance value in mH,
A is special code.

ITGYYWW: ITG is Company Name and YYWW is Date Code.

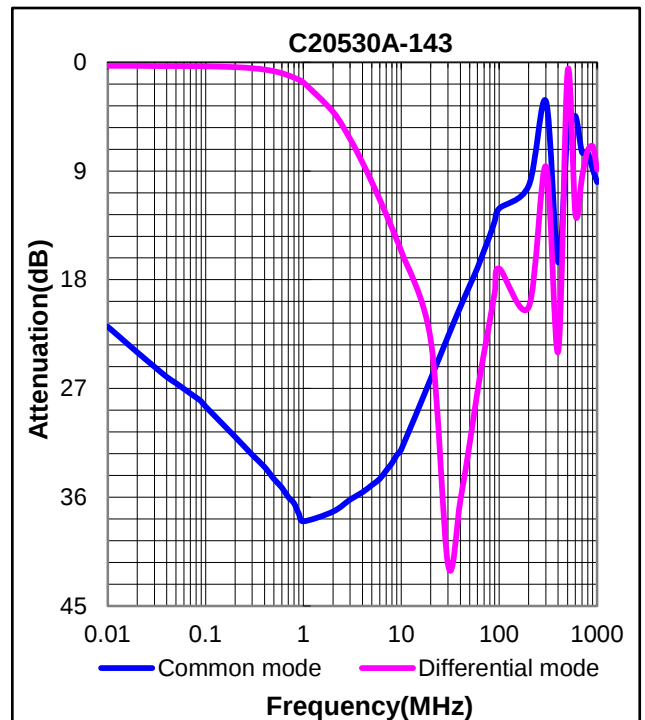
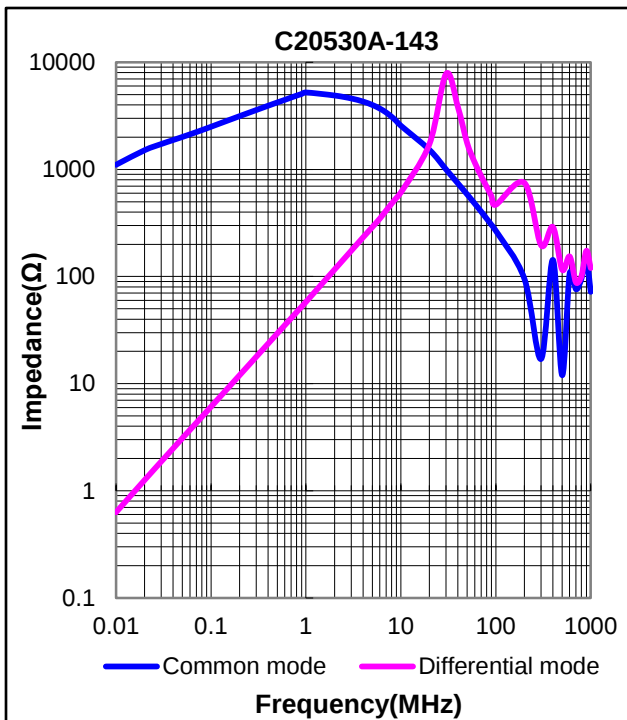
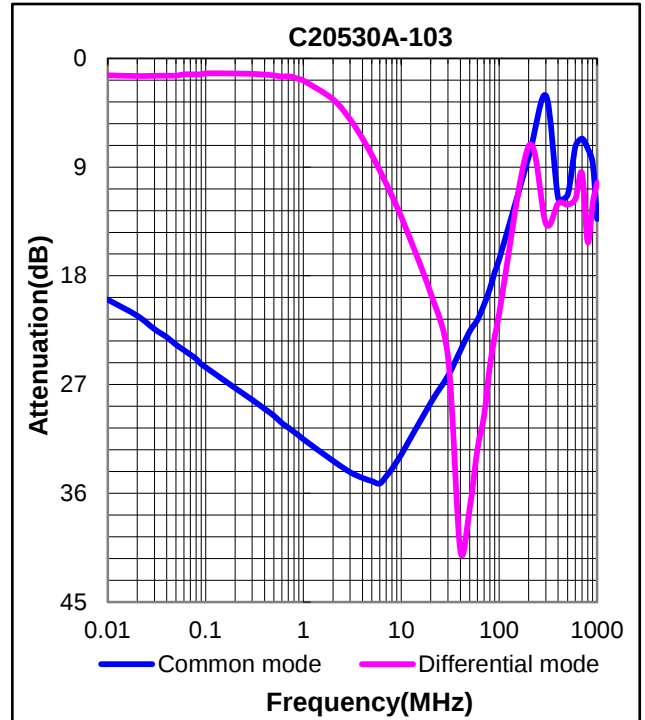
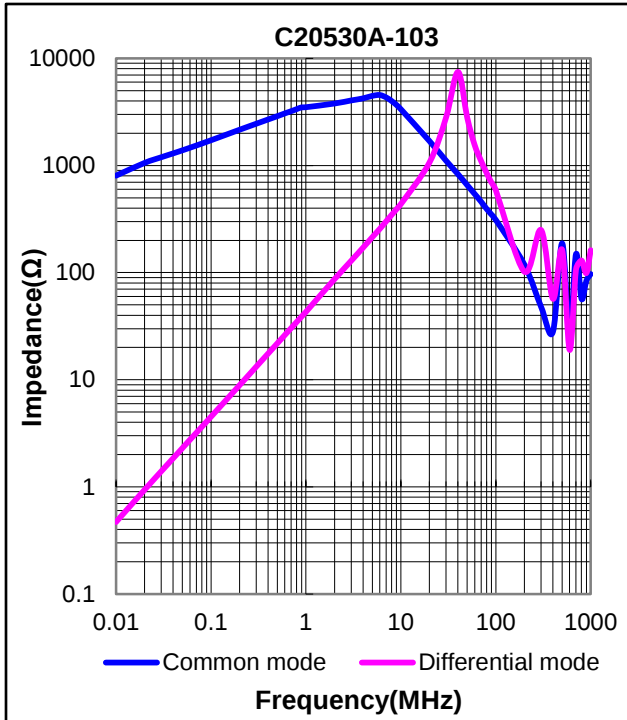
4. Typical Impedance and Typical Attenuation vs Frequency Curve of C20530A Series :



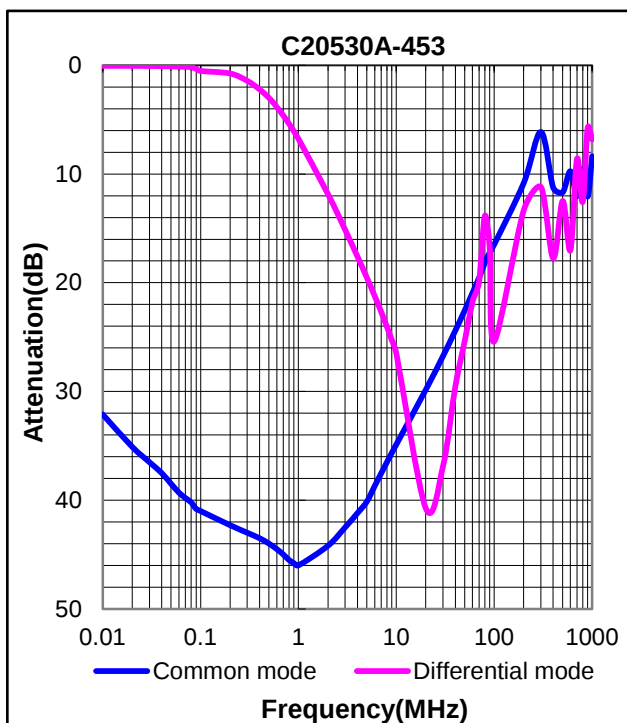
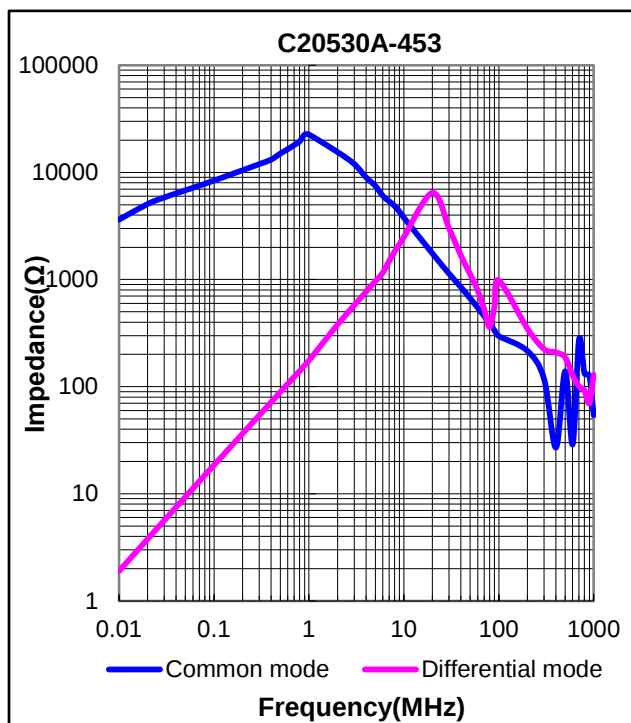
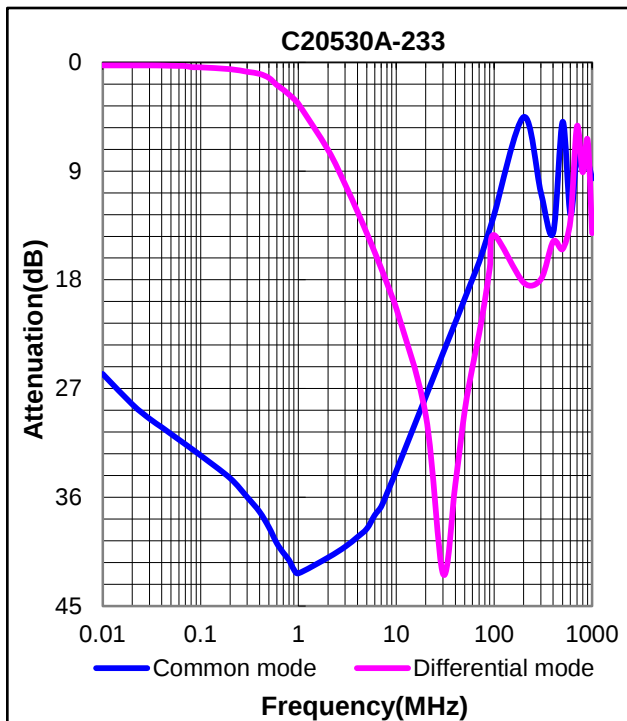
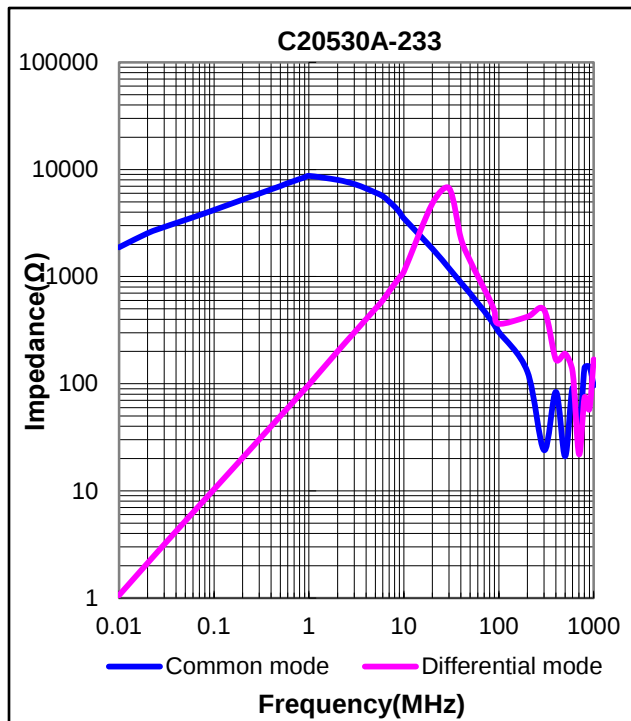
4. Typical Impedance and Typical Attenuation vs Frequency Curve of C20530A Series :



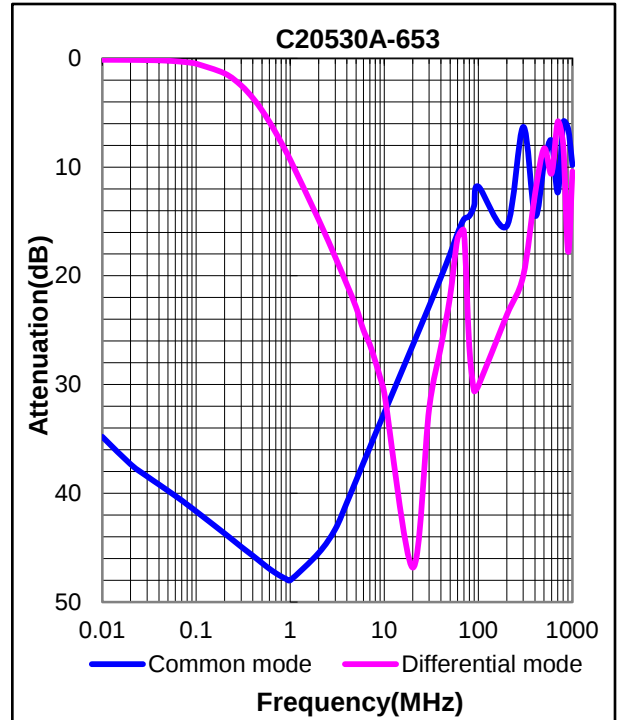
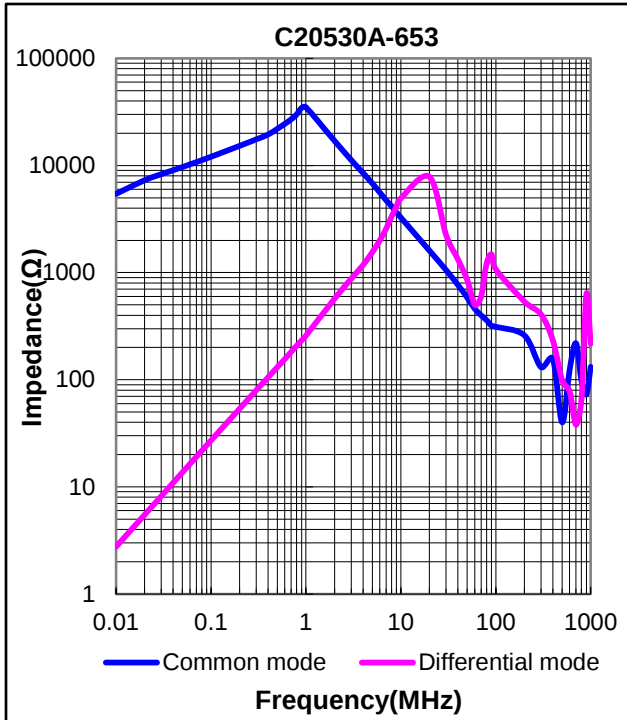
4. Typical Impedance and Typical Attenuation vs Frequency Curve of C20530A Series :



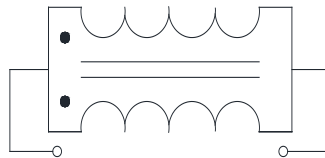
4. Typical Impedance and Typical Attenuation vs Frequency Curve of C20530A Series :



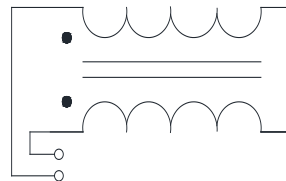
4. Typical Impedance and Typical Attenuation vs Frequency Curve of C20530A Series :



Test setup :



Common Mode



Differential Mode