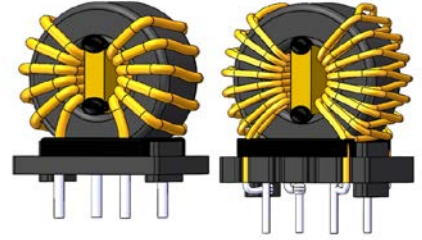


1. Features of DCN101107A Series :

- 26.5 × 18.5mm Max.(L×W),28.0mm Max. Height.
- Inductance range: 1.20mH ~ 125.00mH,Custom values are welcomed.
- AC common mode noise filter for Power Supplies and Lighting Application.
- Rated Voltage: 300VAC.
- Dielectric strength:2100Vrms,winding to winding.
- UL 94 V-0 Material.
- Operating temperature: -40 to +125°C.
- RoHS Compliant Components.



2. Electrical Characteristics of DCN101107A Series :

ITG Part Number	OCL ¹ (PIN1-4 / 2-3) (mH) +50% / -30%	OCL ¹ L1-L2 (uH) Max.	DCR (mΩ) Max. @25°C	I _{rated} ² (A) Max.
DCN101107A-122	1.2	278.0	3.3	16.0
DCN101107A-222	2.2	363.0	6.0	12.0
DCN101107A-402	4.0	449.0	9.5	9.5
DCN101107A-852	8.5	662.0	21.0	6.5
DCN101107A-133	13.0	833.0	40.0	4.8
DCN101107A-203	20.0	1004.0	67.0	3.6
DCN101107A-403	40.0	1388.0	142.0	2.7
DCN101107A-843	84.0	2029.0	315.0	1.8
DCN101107A-124	125.0	2456.0	700.0	1.1

Notes:

1. Open Circuit Inductance (OCL) measured at 10KHz,0.1mA @ 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 DCN101107A Series (Unit:mm):

ITG Part Number	A (mm) Max.	B (mm) Max.	C (mm) Max.	D (mm) ±0.5	E1 (mm) ±0.5	E2 (mm) ±0.5	F (mm) ±0.1	H (mm) Ref.	Fig.
DCN101107A-122	26.5	18.5	25.5	5.0	10.0	12.5	1.4	1.9	1
DCN101107A-222	26.0	18.5	25.5	5.0	10.0	12.5	1.2	1.7	1
DCN101107A-402	26.0	18.5	25.5	5.0	10.0	12.5	1.1	1.6	1
DCN101107A-852	25.0	18.5	28.0	5.0	10.0	12.5	1.0	1.5	2
DCN101107A-133	24.5	18.5	28.0	5.0	10.0	12.5	1.0	1.5	2
DCN101107A-203	24.5	18.5	28.0	5.0	10.0	12.5	1.0	1.5	2
DCN101107A-403	24.5	18.5	28.0	5.0	10.0	12.5	1.0	1.5	2
DCN101107A-843	24.5	18.5	28.0	5.0	10.0	12.5	1.0	1.5	2
DCN101107A-124	24.0	18.5	28.0	5.0	10.0	12.5	1.0	1.5	2

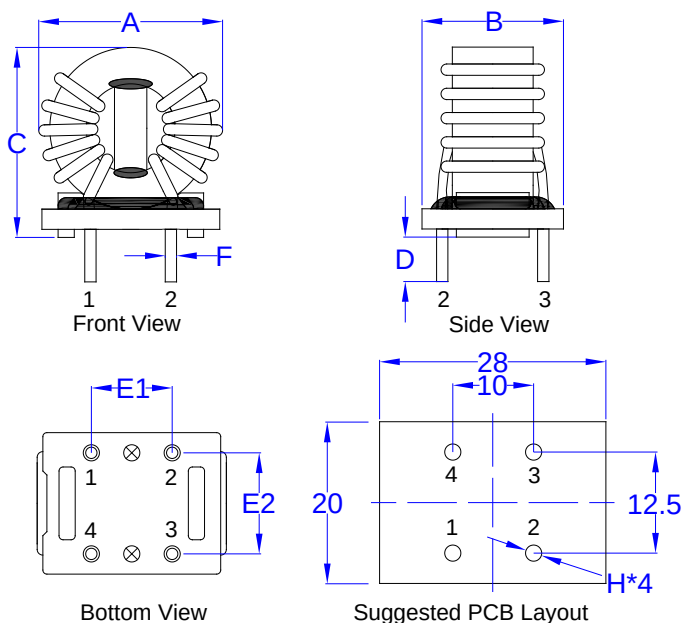


Fig1.

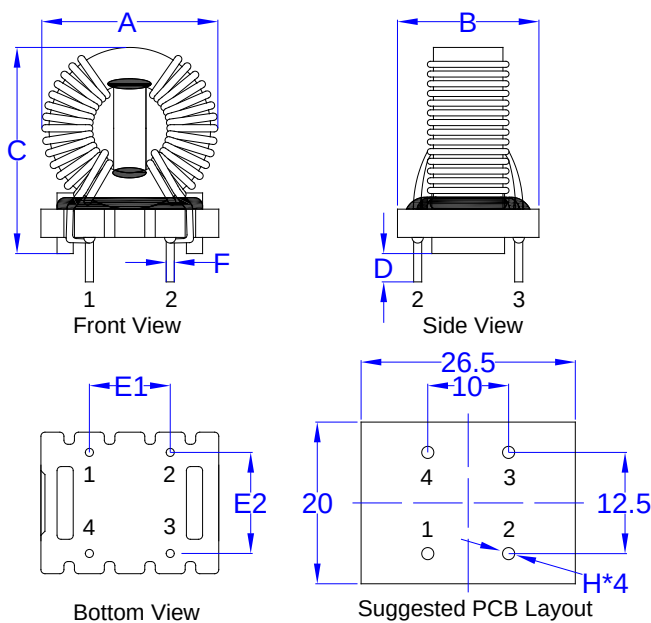
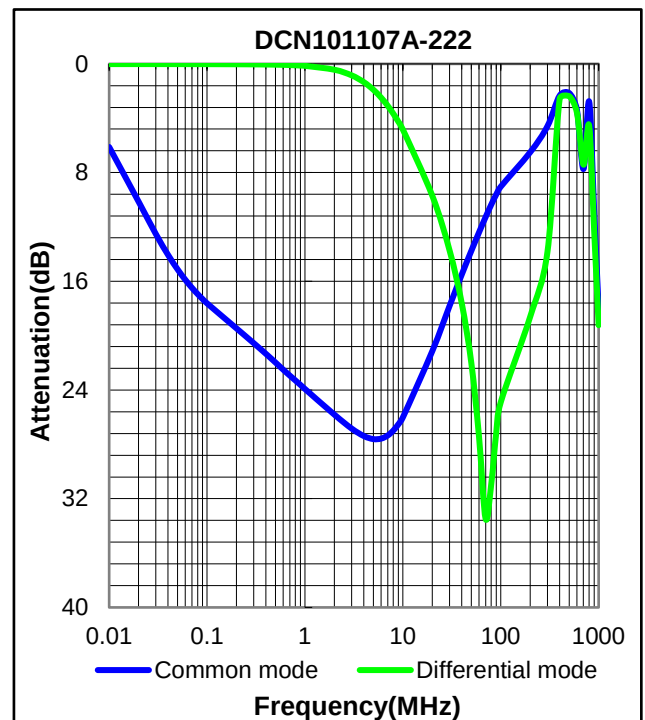
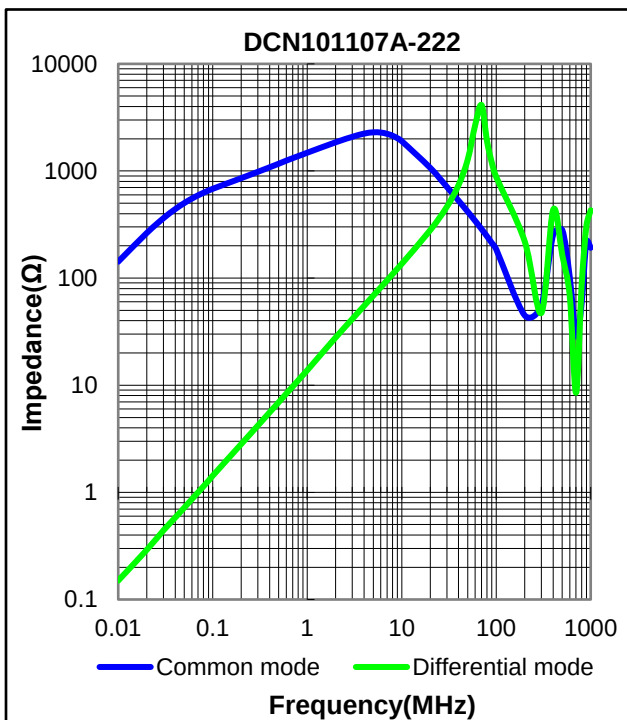
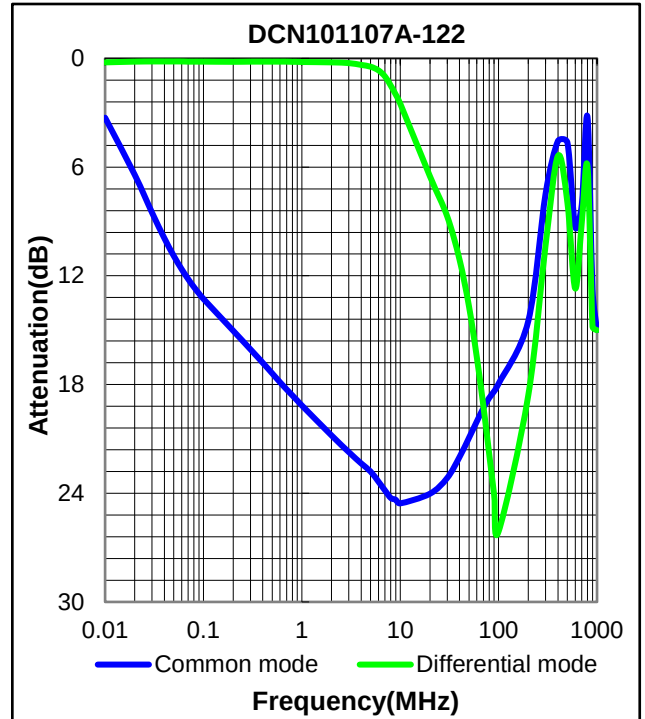
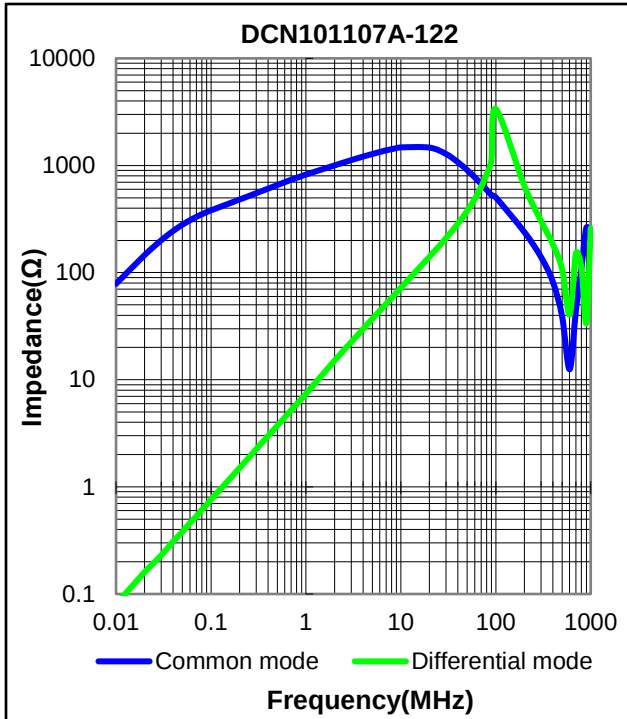
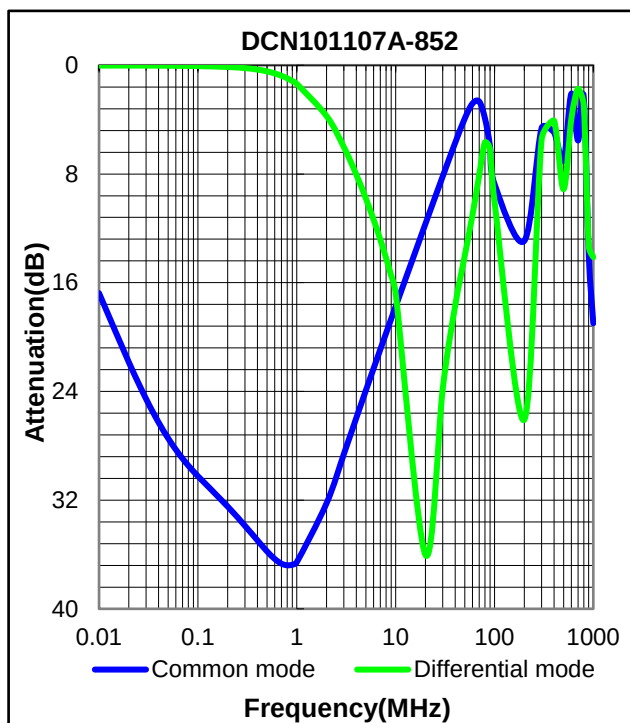
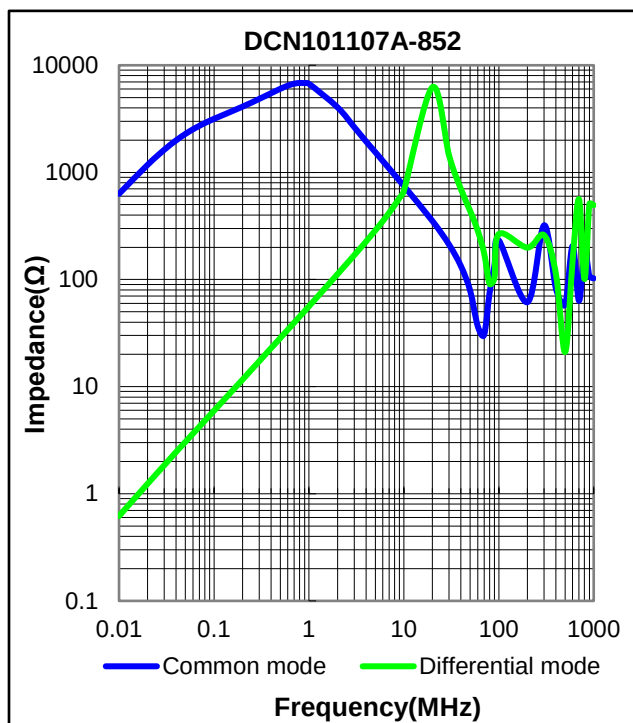
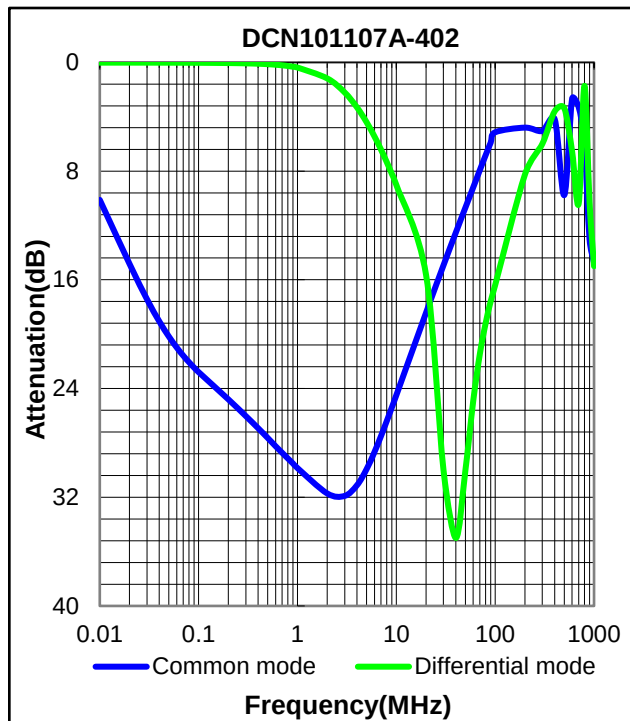
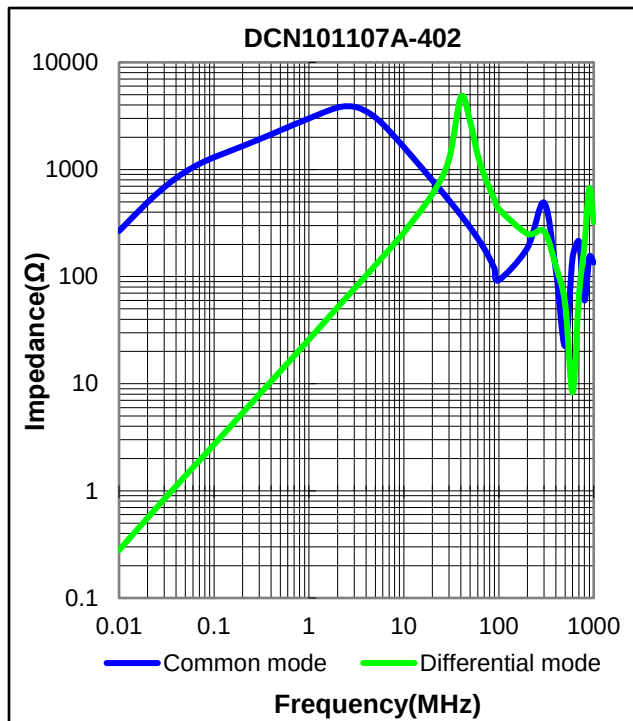


Fig2.

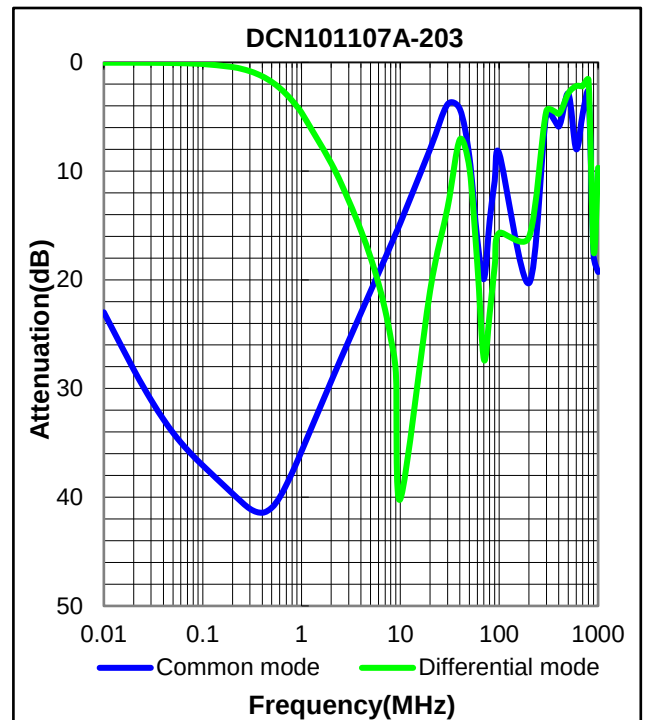
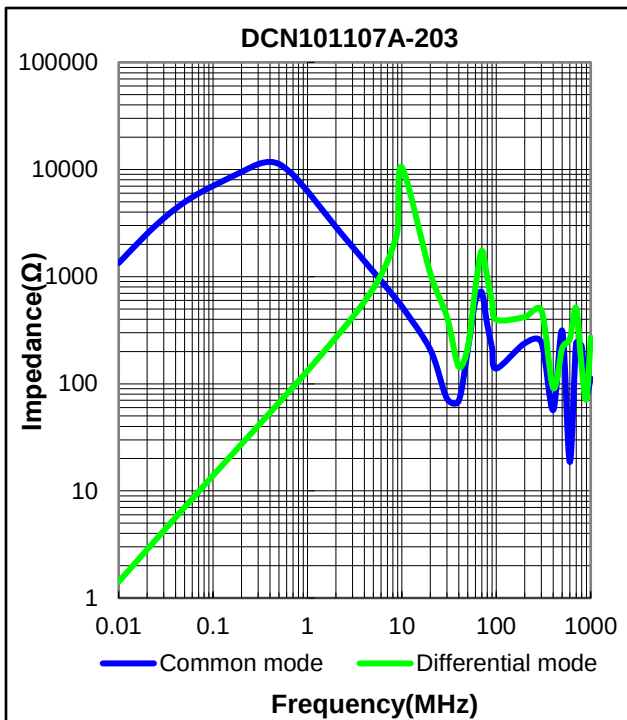
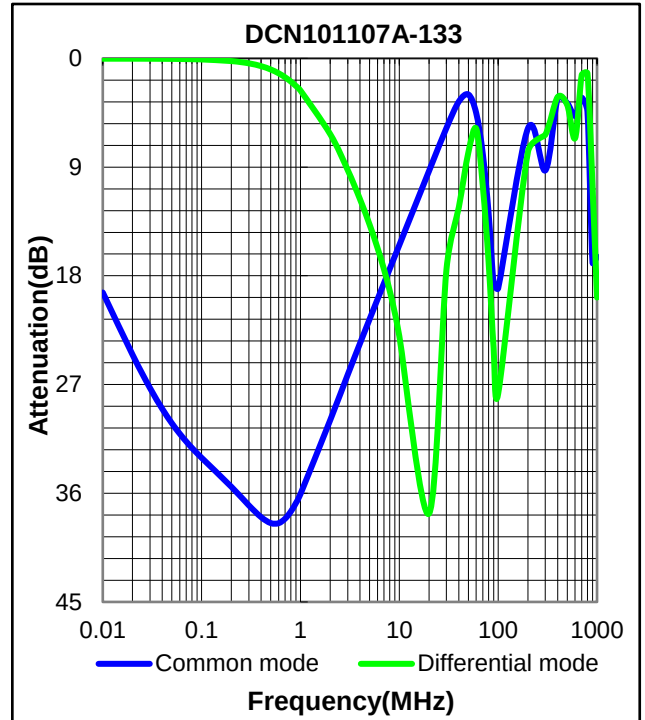
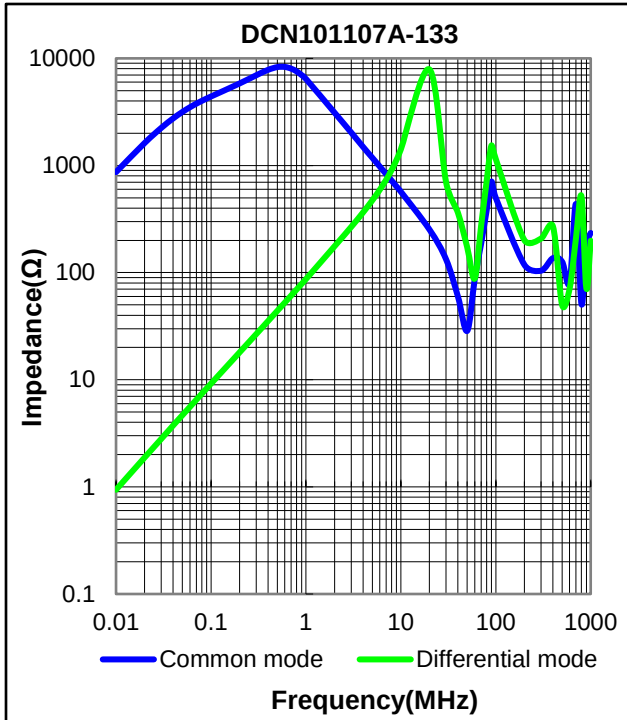
4. Typical Impedance and Typical Attenuation vs Frequency Curve of DCN101107A Series :



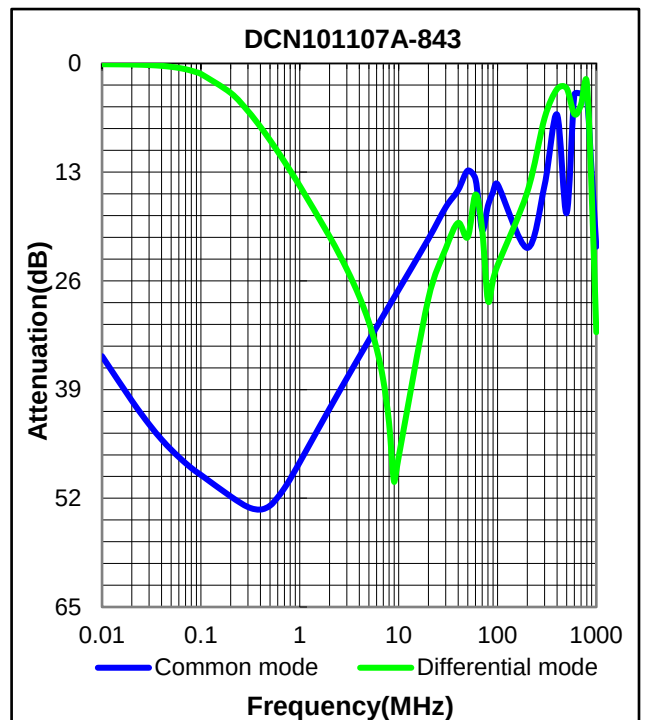
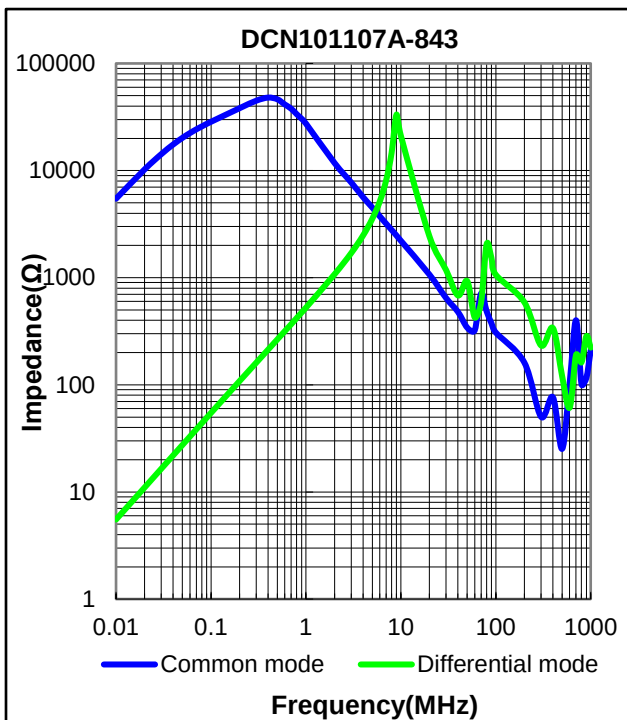
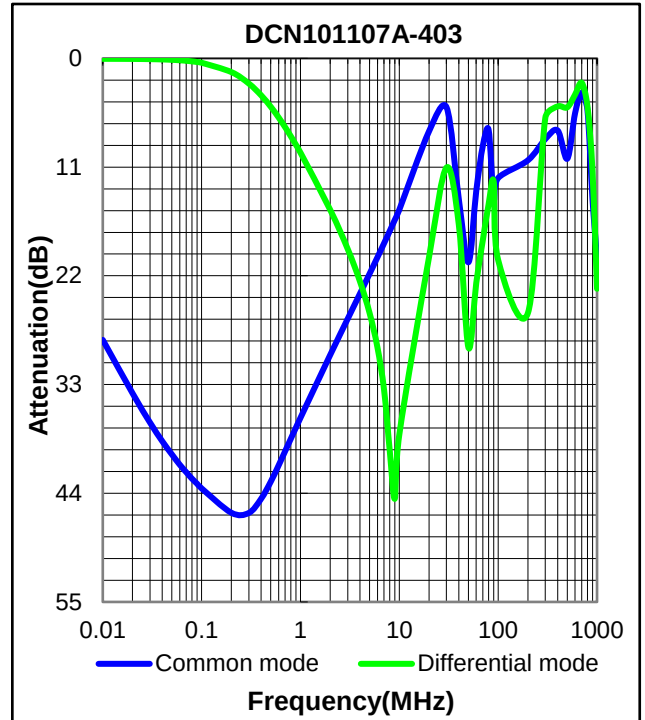
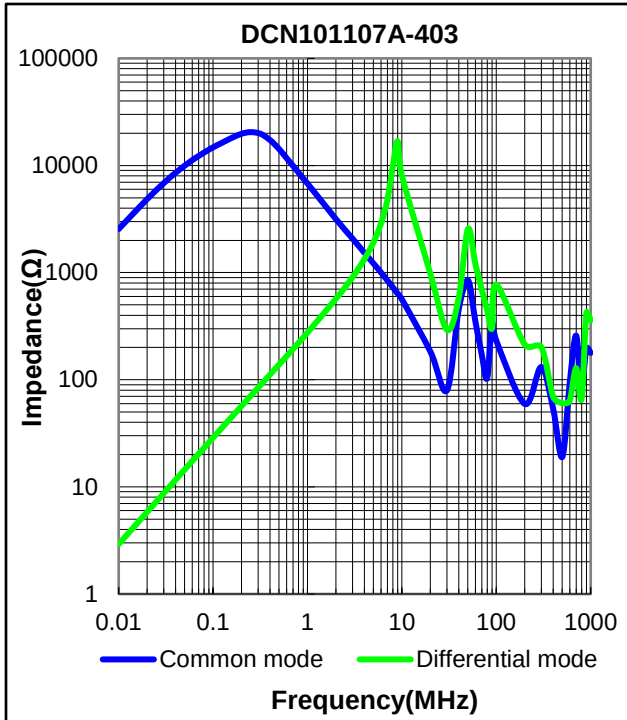
4. Typical Impedance and Typical Attenuation vs Frequency Curve of DCN101107A Series :



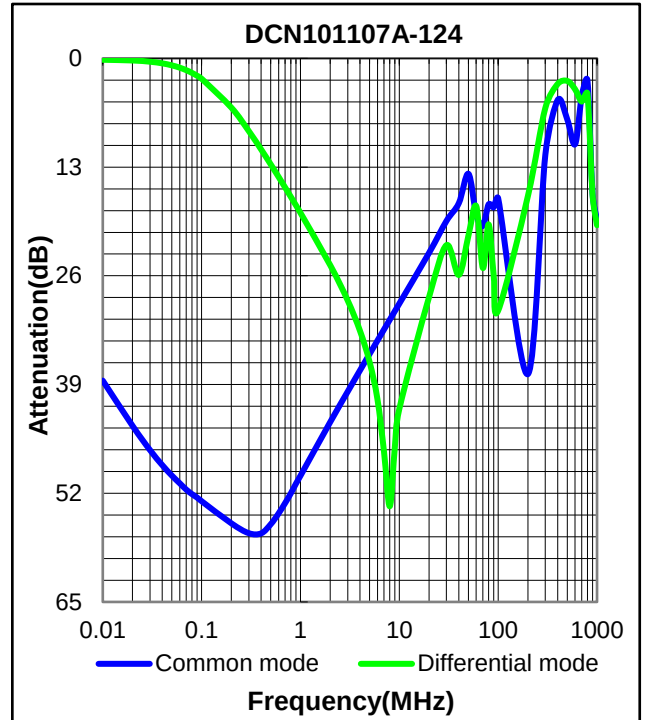
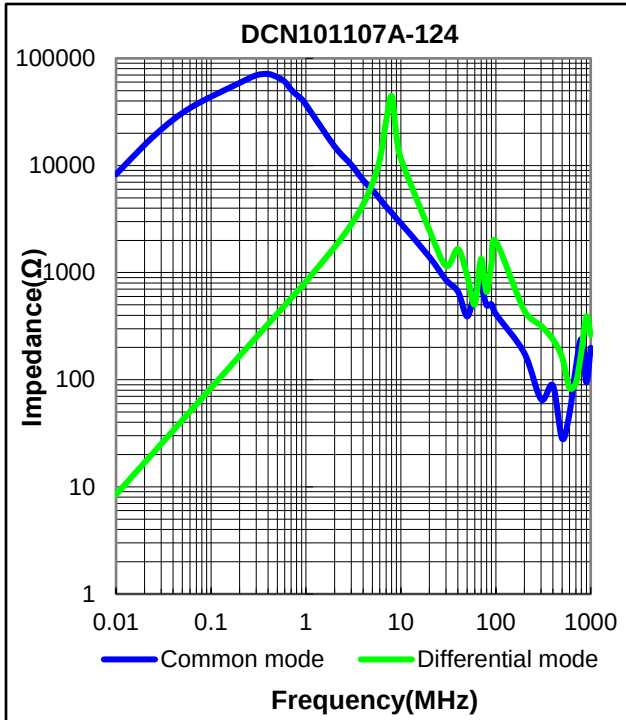
4. Typical Impedance and Typical Attenuation vs Frequency Curve of DCN101107A Series :



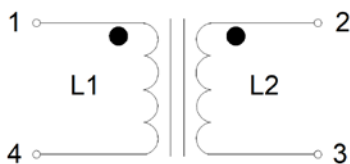
4. Typical Impedance and Typical Attenuation vs Frequency Curve of DCN101107A Series :



4. Typical Impedance and Typical Attenuation vs Frequency Curve of DCN101107A Series :



Schematic diagram



Test setup

