

EMI/HARMONICS CHOKE COIL

HCA SERIES



FEATURES

- Suitable for the products that must conform to IEC1000-3-2 and CISPR Pub. 22 Class B.
- Excellent filtering characteristics for both differential mode and common mode.
- Miniature main PCB mounting type with light weight.
- Minimized leakage flux, suitable for display units.
- Effective for power factor correction.

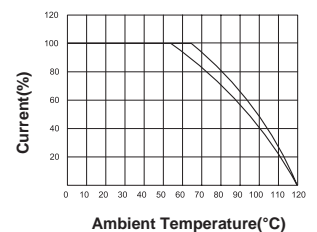
APPLICATIONS

- Capacitor input type switching power supply having output up to 150W.
- CRT monitor, TV and Audio.
- Household appliances.

SPECIFICATIONS

Model	Rated Current	Differential mode Inductance(mH),1KHz, 1V(Typical value)	Common mode Inductance(mH),1KHz, 1V(Typical value)	Temperature Rise	Operating Temperature
HCA 113-016	1.3A	16	3.0	55°C max.	-25°C to + 120°C Including temperature rise ※ Fig.1
HCA 206-060	0.6A	64.2	10.8	55°C max.	
HCA 107-028	0.7A	35.5	5.4	55°C max.	
HCA 208-049	0.8A	54.8	9.3	65°C max.	
HCA 209-050	0.95A	54.4	9.3	65°C max.	

Note : Inductance, DC Resistance are expressed by nominal values.
 Insulation Resistance line to line : 100Mohm min, at 500V DC.
 Test Voltage : 2000V AC one minute, line to line.
 Weight : HCA 113-013 / 206-060 : 120g.
 HCA 107-028 : 82g
 HCA 208-049 : 140g
 HCA 209-050 : 189g

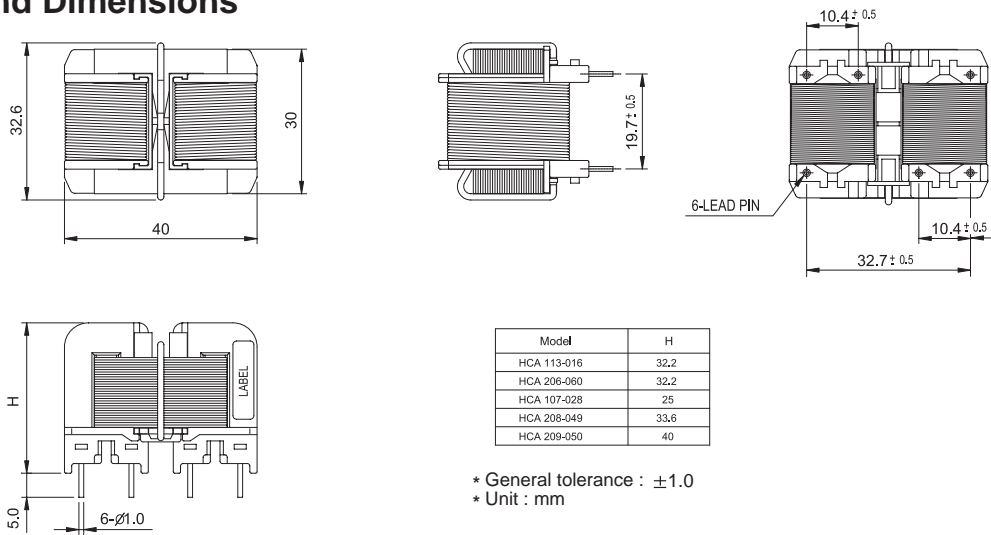


※ Fig.1

■ Model Number Construction

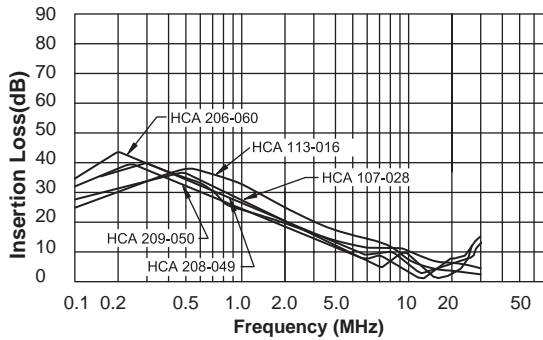
HC	A	1	13	016
Series Description	Design Sequence	Input Voltage 1:100V Family 2:200V Family	Current Rating:AC rms 13:1.3 amp 06:0.6 amp 07:0.7 amp 08:0.8 amp 09:0.9 amp	Differential Mode Inductance 016:16 mH 060:60 mH 028:28 mH 049:49 mH 050:50 mH

Shapes and Dimensions

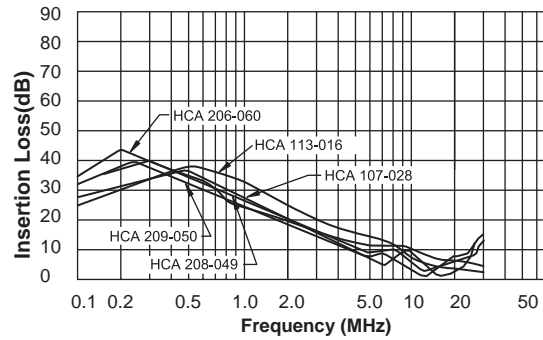


Attenuation Characteristics (Typical)

● Common Mode

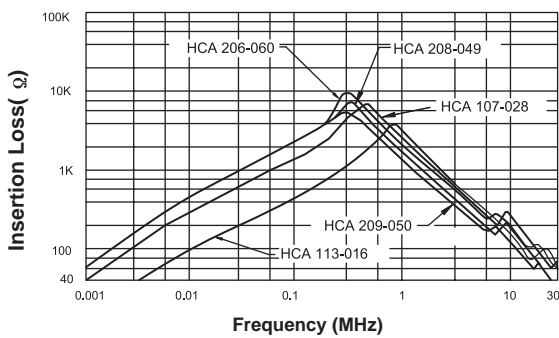


● Differential Mode

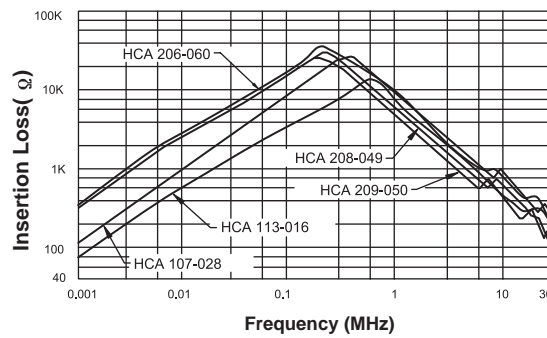


Impedance characteristics (Typical)

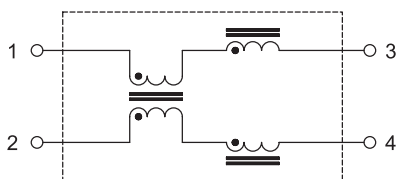
● Common Mode



● Differential Mode



● Equivalent Circuit Diagram



● Measurement configuration

