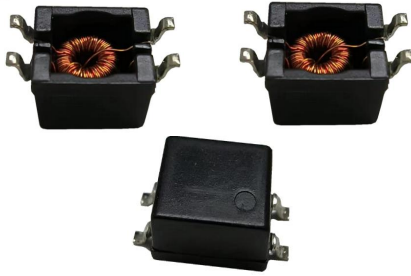


Common Mode Line Filter HCM0904 Series



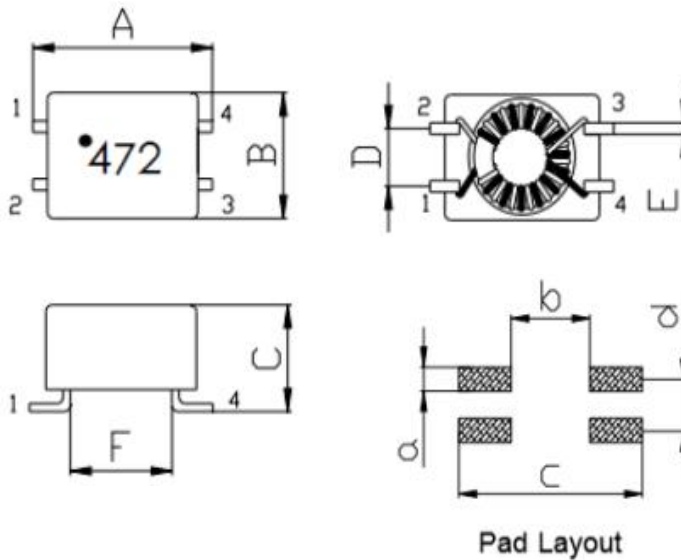
Features

- High power, High saturation inductors.
- Ideal inductors for DC-DC converters in notebook.
- The others used LCP plastic basey.
- computer, PDAs, Step-up or step-down converters, flash memory programmers, etc.
- Operating temperature: $-25^{\circ}\text{C} \sim 125^{\circ}\text{C}$.

Tolerance

- (M 20% , N 30%)

Configurations & Dimensions



Dimensions

Chip Size

Units:mm

TYPE	A	B	C	D	E	F	G	H	I	J
HCM0904	9.5max	5.6max	5.2max	2.54Typ	0.5Typ	5.5Typ	1.0Typ	4.5Typ	10.5Typ	2.54Typ

Design as Customer's Requested Specifications.

Common Mode Line Filter

HCM0904 Series



Specifications HCM0904

Part Number	Inductance L1, L2 +50%/-30% (uH)	Freq	DC Resistance N1, N2 (mΩ)	Rated Current (A)	Impedance (Ω) Min	Leakage Inductance L1-4(2-3short) @100KHz/0.1V	Freq. Range (MHz)	Rated Voltage (V) Max	Marking
HCM0904-110	11	100KHz/0.1V	120max	0.5	160	0.08uH Typ	20-300	50	110
HCM0904-250	25	100KHz/0.1V	200max	0.5	450	0.15uH Typ	20-150	50	250
HCM0904-510	51	100KHz/0.1V	300max	0.5	600	0.20uH Typ	20-100	50	510
HCM0904-101	100	100KHz/0.1V	100max	0.5	800	0.25uH Typ	3-20	50	101
HCM0904-471	470	100KHz/0.1V	280max	0.5	1200	0.28uH Typ	2-15	50	471
HCM0904-102	1000	100KHz/0.1V	300max	0.5	1800	0.28uH Typ	1-10	50	102
HCM0904-222	2200	100KHz/0.1V	400max	0.5	3000	0.29uH Typ	0.8-5	50	222
HCM0904-472	4700	100KHz/0.1V	700max	0.5	5000	0.30uH Typ	0.5-3	50	472

Note:

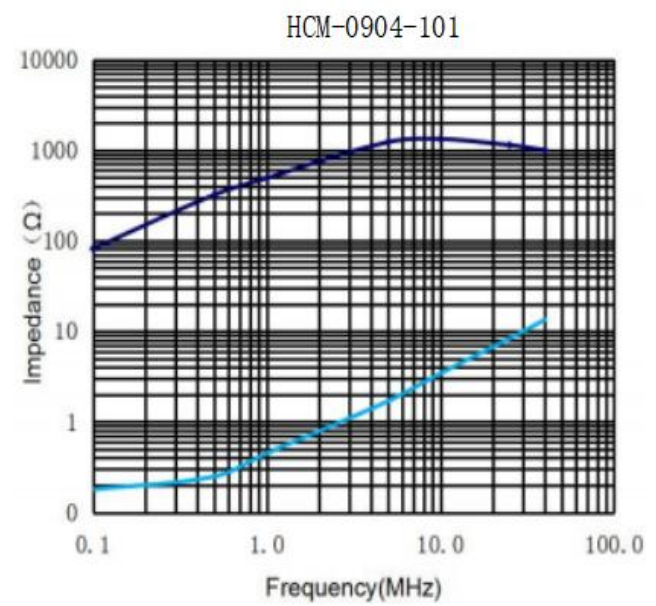
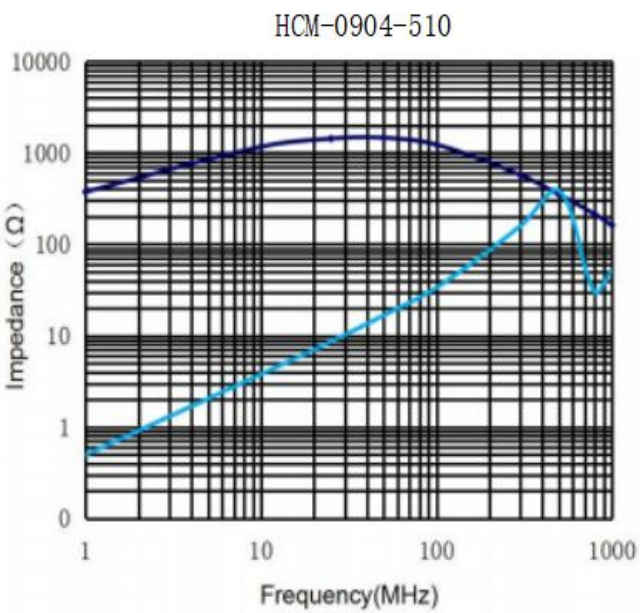
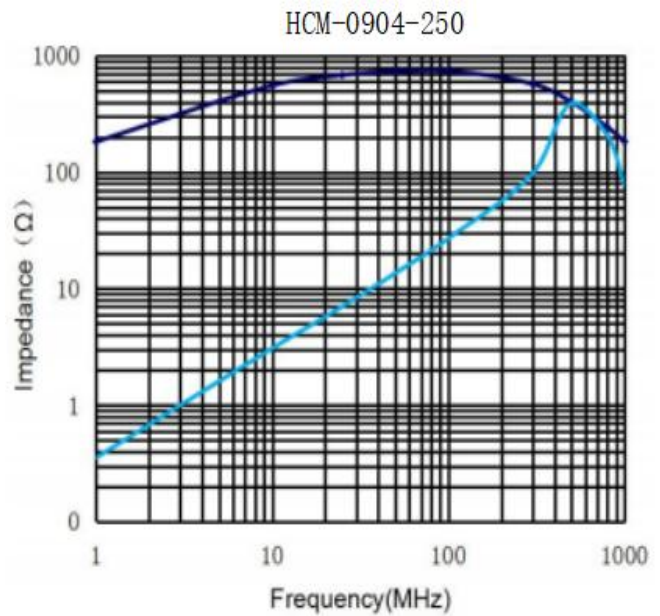
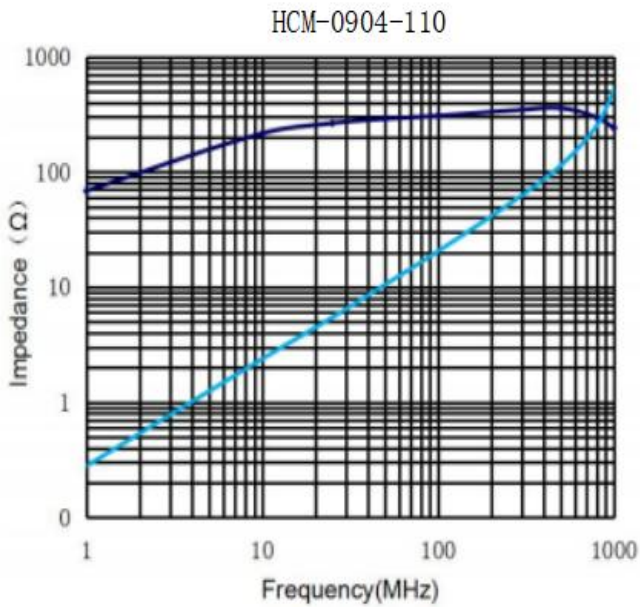
1. Test frequency:L:100KHz/1.0V.
2. All test data referenced to 25°C ambient.
3. Heat rated current(irms)will cause the coil temperature rise approximately Δt of 40°C(keep 1min).
4. Saturation current(Isat)will cause LO to drop 30% typical.(keep quickly).
5. Special inquiries besides the above common used types can be met on your requirement.

Common Mode Line Filter HCM0904 Series



Specifications HCM0904

CHARACTERISTICS(REFERENCE)



Common Mode Line Filter HCM0904 Series



Specifications HCM0904

CHARACTERISTICS(REFERENCE)

