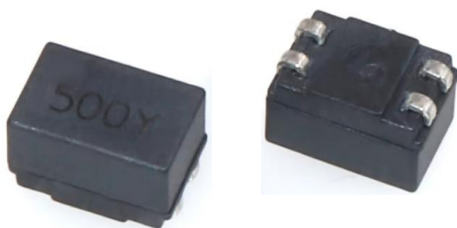


Common Mode Line Filter HCM0905L Series



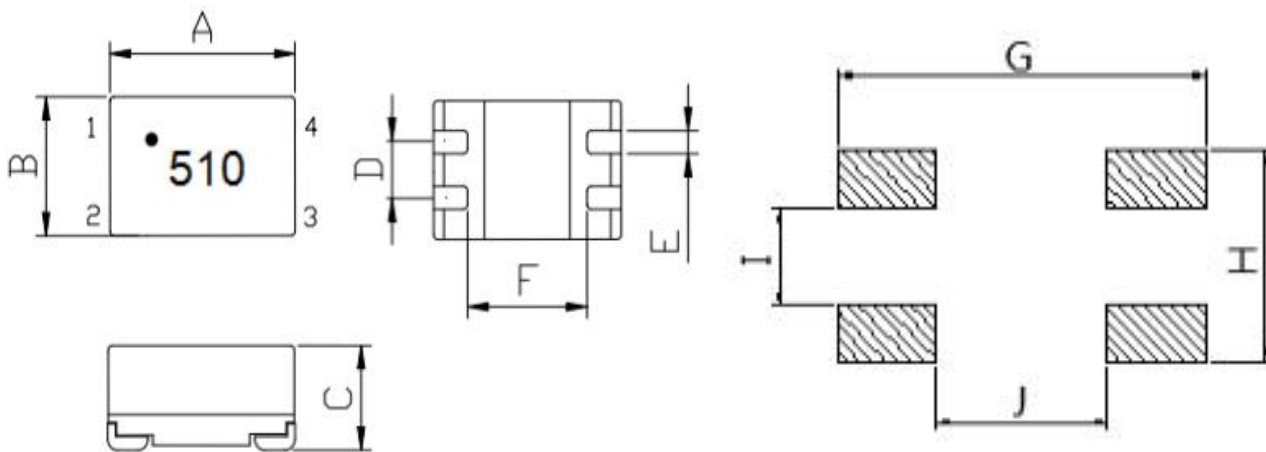
Features

- 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
HCM0905L	9.2 ± 0.3	6.0 ± 0.3	5.0 ± 0.3	2.54 ± 0.2	1.0 ± 0.1	5.7Typ	9.5Typ	2.5Typ	3.74Typ	5.5Typ

Design as Customer's Requested Specifications.

Common Mode Line Filter

HCM0905L Series



Specifications HCM0905L

Part Number	Inductance L1, L2 (μ H)		DC Resistance N1, N2 (Ω)	Rated Current (A)	Impedance (Ω) Min	Freq. Range (MHz)	IR (M Ω) Min	Rated Voltage (V) Max	Marking
HCM0905L-100	10 \pm 30%	1KHz/0.1V	0.08max	1.6	200	20-300	10	50	100
HCM0905L-250	25 \pm 30%	1KHz/0.1V	0.16max	1.0	600	20-150	10	50	250
HCM0905L-400	40 \pm 30%	1KHz/0.1V	0.25max	0.9	800	20-100	10	50	400
HCM0905L-500	50 \pm 50%	1KHz/0.1V	0.16max	0.8	800	20-100	10	50	500
HCM0905L-510	51 \pm 50%	1KHz/0.1V	0.16max	0.8	800	20-100	10	50	510
HCM0905L-251	250 \pm 50%	100KHz/0.05V	0.13max	1.2	600	3-20	10	50	251
HCM0905L-471	470 \pm 50%	100KHz/0.05V	0.14max	1.1	1000	2-20	10	50	471
HCM0905L-501	500 \pm 50%	100KHz/0.05V	0.15max	1.0	1000	1-20	10	50	501
HCM0905L-102	1000 \pm 50%	100KHz/0.05V	0.31max	0.8	1500	1-15	10	50	102
HCM0905L-202	2000 \pm 50%	100KHz/0.05V	0.42max	0.6	3000	1-5	10	50	202
HCM0905L-472	4700 \pm 50%	100KHz/0.05V	0.9max	0.4	4000	0.3-3	10	50	472
HCM0905L-652	6500 \pm 50%	100KHz/0.05V	1.05max	0.3	5000	0.3-2	10	50	652

Note:

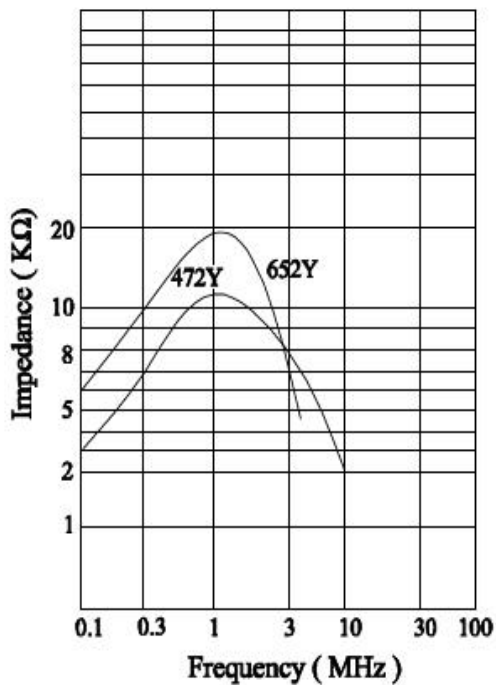
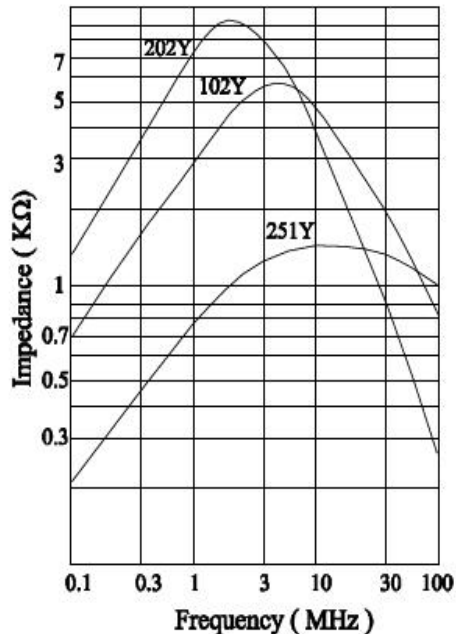
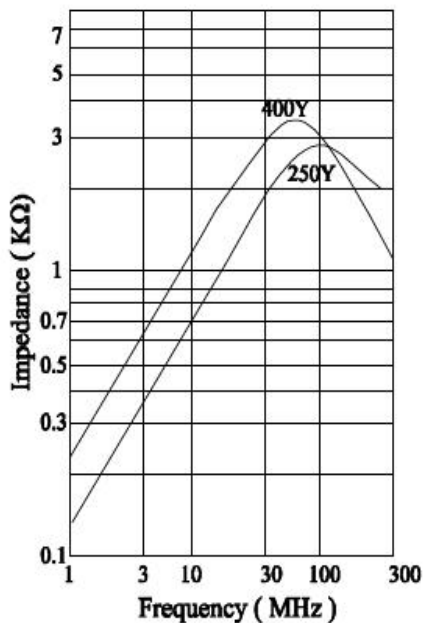
1. Test frequency:L:100KHz/1.0V.
2. All test data referenced to 25°C ambient.
3. Heat rated current(irms)will cause the coil temperature rise approximately Δ t of 40°C(keep 1min).
4. Saturation current(Isat)will cause L0 to drop 30% typical. (keep quickly).
5. Special inquiries besides the above common used types can be met on your requirement.

Common Mode Line Filter HCM0905L Series



Specifications HCM0905L

CHARACTERISTICS(REFERENCE)



Measuring circuit :

