

深圳市长江微电科技有限公司
SZ CJIANG TECHNOLOGY CO.,LTD

Specification For Approval

Customer	
Product Name	common mode line filte
Customer P/N:	
Cjiang P/N:	FLCM0904-XXX Series FLCM0905C-XXX Series

[☒ New Released, ☐ Revised]

SPEC No.:

REMARK:		
Customer Approval Feedback		

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SZ CJIANG TECHNOLOGY CO.,LTD

Version change history					
Rev	Date	Description	APPROVED	CHECKED	DRAWN
1.0	2022/8/9	文件制定	Bond	罗雪婷	董京天
2.0	2024/1/24	更改规范	Bond	Charles	

Caution :

All products listed in this specification are developed, designed and intended for use in general electronics equipment. The products are not designed or Warranted to meet the requirements of the applications listed below, whose performance and/or quality require especially high reliability, or whose failure, malfunction or trouble might directly cause damage to society, person, or property. Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below. Please contact us for more details if you intend to use our products in the following applications.

1. Aircraft equipment.
2. Aerospace equipment.
3. Undersea equipment.
4. nuclear control equipment.
5. military equipment.
6. Power plant equipment.
7. Medical equipment.
8. Transportation equipment (automobiles, trains, ships,etc.)
9. Traffic signal equipment.
10. Disaster prevention / crime prevention equipment.
11. Data-processing equipment.
12. Applications of similar complexity or with reliability requirements comparable to the applications listed in the above.

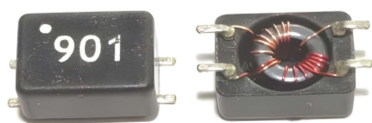
Common Mode Line Filte FLCM0904 Series

Product Identification:

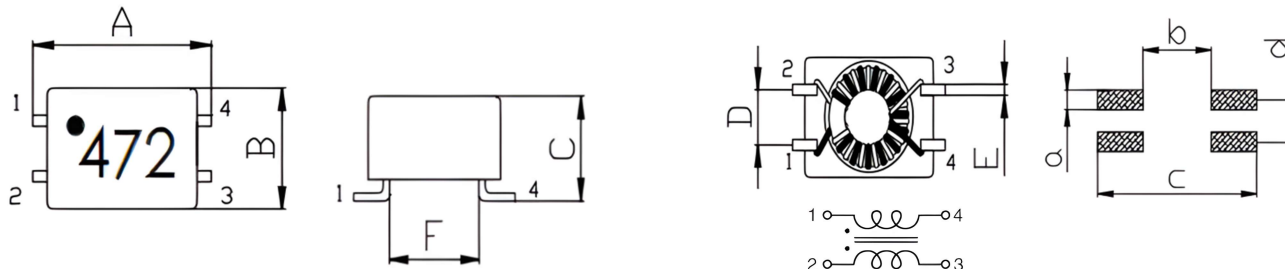
FLCM 0904 - 101

(1) (2) (3)

- (1) Series
(2) Dimensions(L*H*W)
(3) Impedance(100=10uH, 101=100uH, 102=1000uH)



DIMENSIONS DRAWING:



TYPE	Shape and Dimensions							Recommended Pattern			
	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	a(mm)	b(mm)	c(mm)	d(mm)
FLCM0904	9.5Max	5.6Max	5.2Max	2.54Typ	0.5Typ	5.5Typ	6.0Typ	1.0Typ	4.5Typ	10.5Typ	2.54Typ

Common Mode Line Filte FLCM0904 Series

ELECTRICAL CHARACTERISTIC:

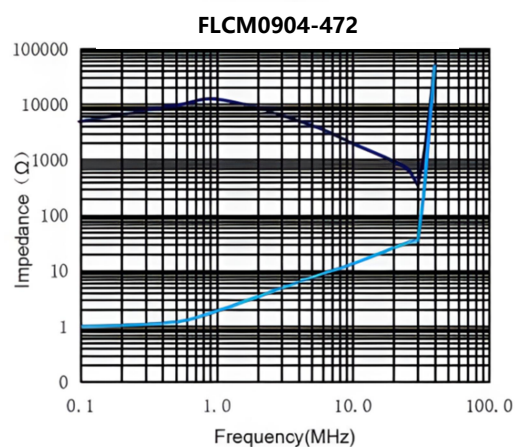
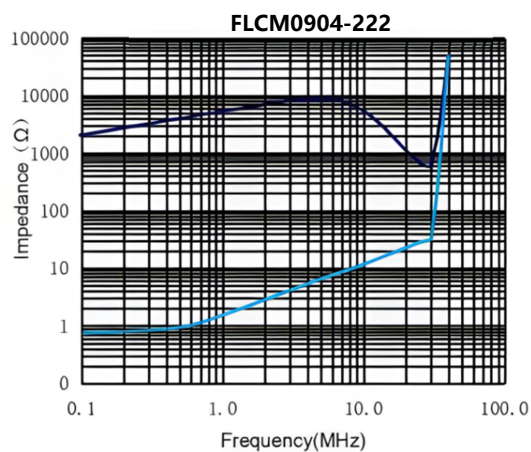
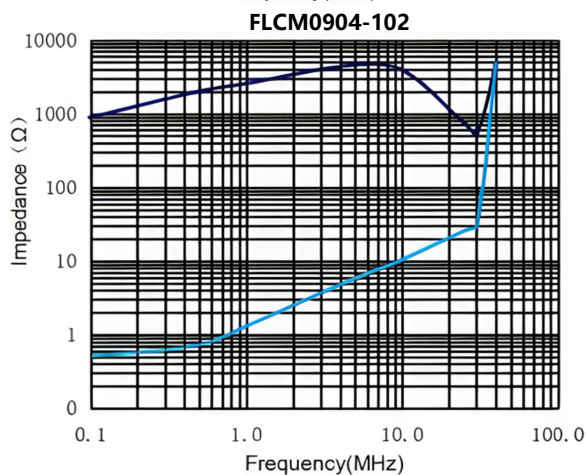
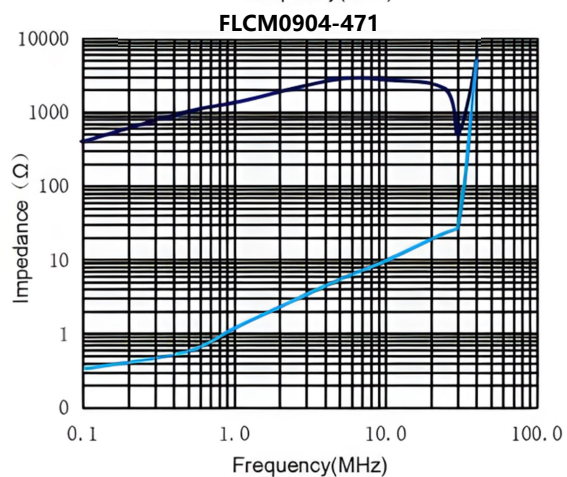
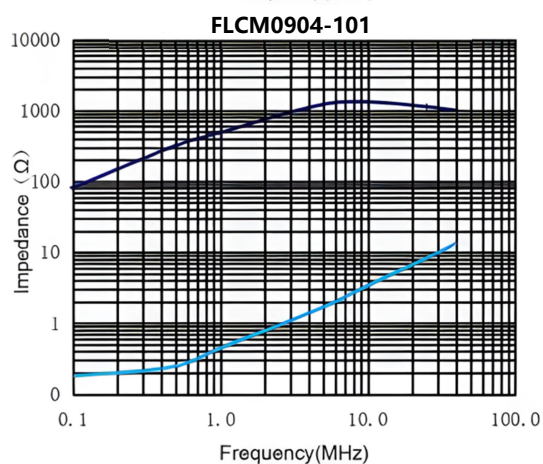
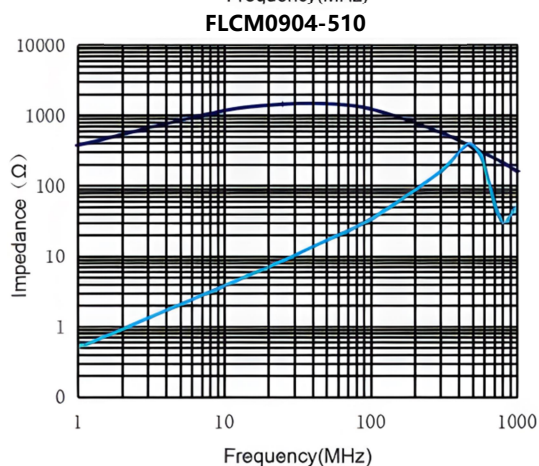
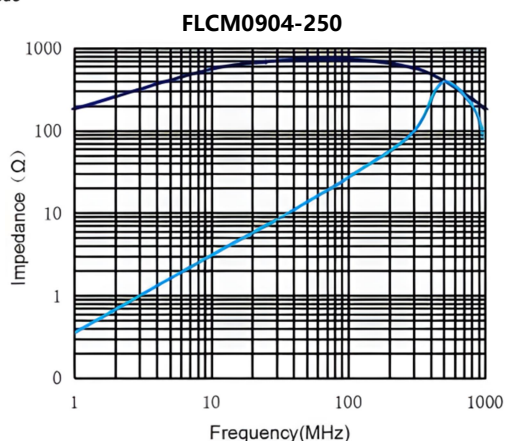
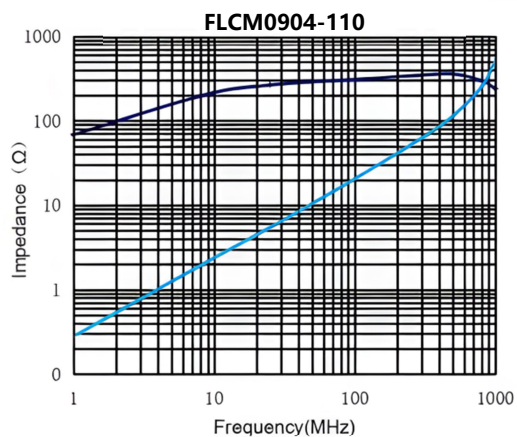
Part Number	Inductance +50%/-30% @100KHz/0.1V	Leakage Inductance L1-4(2-3short) @100KHz/0.1V	DCR (mΩ)Max	Current Rating(A)	Impedance (Ω)Min	Freq.range (MHz)	Rated Volt (Vdc)Max.
FLCM0904-110	11uH	0.08 uH Typ	120	0.5	160	20-300	50V
FLCM0904-250	25uH	0.15 uH Typ	200	0.5	450	20-150	50V
FLCM0904-510	51uH	0.20 uH Typ	300	0.5	800	20-100	50V
FLCM0904-101	100uH	0.25 uH Typ	100	0.5	600	3-20	50V
FLCM0904-471	470uH	0.28 uH Typ	280	0.5	1200	2-15	50V
FLCM0904-102	1000uH	0.28 uH Typ	300	0.5	1800	1-10	50V
FLCM0904-222	2200uH	0.29 uH Typ	400	0.5	3000	0.8-5	50V
FLCM0904-472	4700uH	0.30 uH Typ	700	0.5	5000	0.5-3	50V

- (1) .Rated Current: Temp. rise 40°C TYP
(2) .Operating Temperature: -40 °C up to + 125°C

Common Mode Line Filter FLCM0904 Series

CHARACTERISTICS(REFERENCE)

— Common Mode
— Differential Mode



Common Mode Line Filte FLCM-0905C Series

Product Identification:

FLCM 0905 C - 100 Y
(1) (2) (3) (4) (5)

(1)Series

(2)Dimensions(L*H*W)

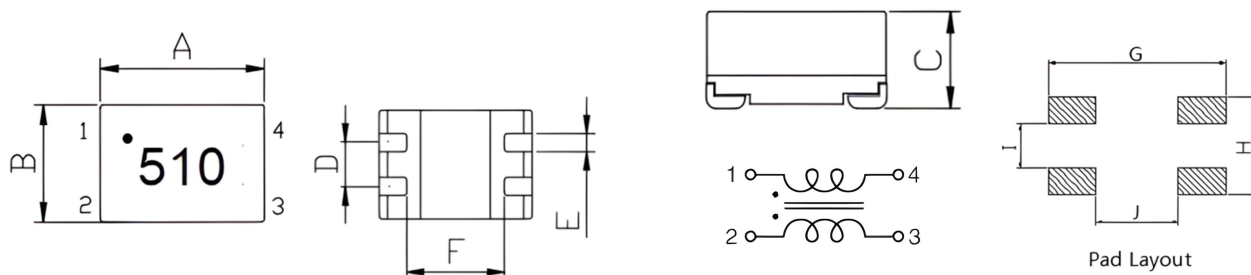
(3)Type

(4)Inductance(100=uH, 101=100uH, 102=1000uH)

(5)Tolerance See Spec table



DIMENSIONS DRAWING:



Shape and Dimensions							Recommended Pattern			
TYPE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	J(mm)
FLCM0905C	9.2±0.3	6.0±0.3	5.0±0.3	2.54±0.2	1.0±0.1	5.7Typ	6.0Typ	5.1Typ	2.5Typ	1.5Typ

Common Mode Line Filte FLCM0905C Series

ELECTRICAL CHARACTERISTIC:

Part Number	Inductance L1=L2 (uH)	Test Frequency	DCR N1,N2(Ω)	Rated Current (A)Max.	Impedance (Ω)Min	Freq. range(MHz)	Rated Volt. (Vdc)Max.	IR (Ω) Min.
FLCM0905C-100Y	10 +50%/-30%	1KHz/0.1V	0.08 Max.	1.6	300	20-200	50	10M
FLCM0905C-250Y	25 +50%/-30%	1KHz/0.1V	0.16 Max	1.0	600	5-100	50	10M
FLCM0905C-400Y	40 +50%/-30%	1KHz/0.1V	0.25 Max.	0.9	800	5-100	50	10M
FLCM0905C-510Y	51 +50%/-30%	1KHz/0.1V	0.32 Max.	0.8	1000	5-50	50	10M
FLCM0905C-251Y	250 ±50%	100KHz/5mV	0.13 Max.	1.2	600	5-50	50	10M
FLCM0905C-471Y	470 ±50%	100KHz/5mV	0.14 Max.	1.1	800	1-50	50	10M
FLCM0905C-501Y	500 ±50%	100KHz/5mV	0.15 Max.	1.0	900	1-40	50	10M
FLCM0905C-102Y	1000 ±50%	100KHz/5mV	0.31 Max.	0.8	1000	1-30	50	10M
FLCM0905C-202Y	2000 ±50%	100KHz/5mV	0.42 Max	0.6	3000	1-10	50	10M
FLCM0905C-472Y	4700 ±50%	100KHz/5mV	0.90 Max.	0.4	3000	0.5-5	50	10M
FLCM0905C-652Y	6500 ±50%	100KHz/5mV	1.05 Max.	0.3	4000	0.3-2	50	10M

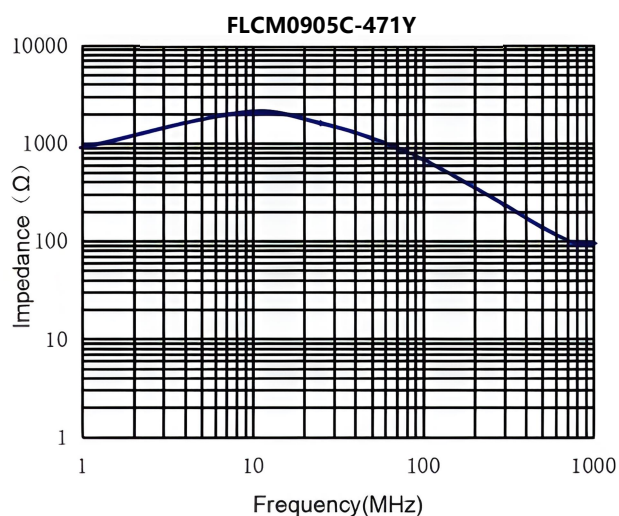
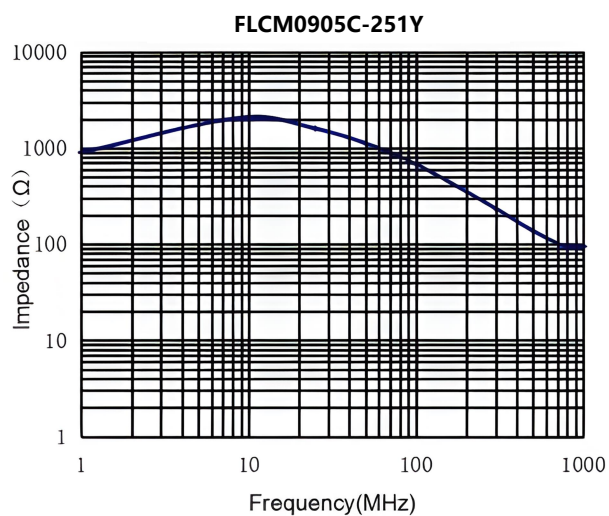
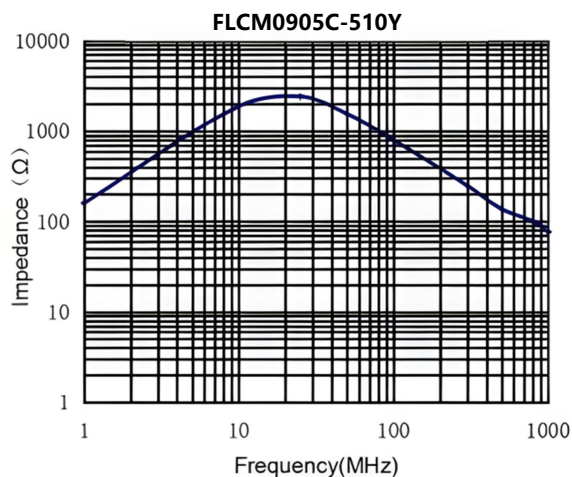
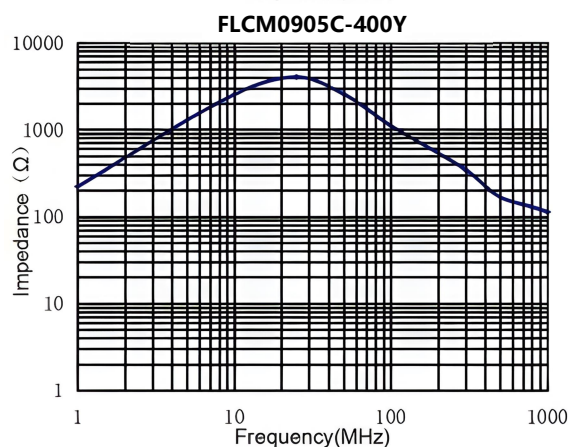
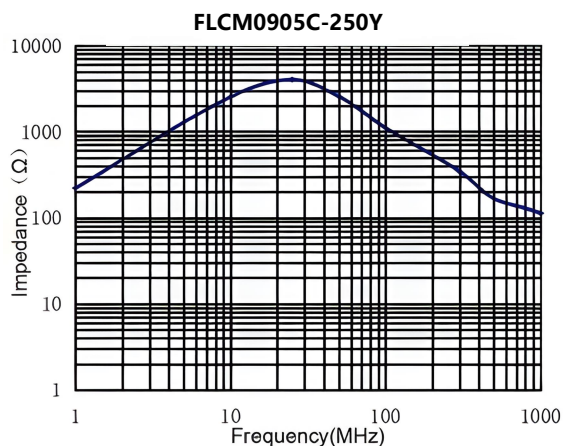
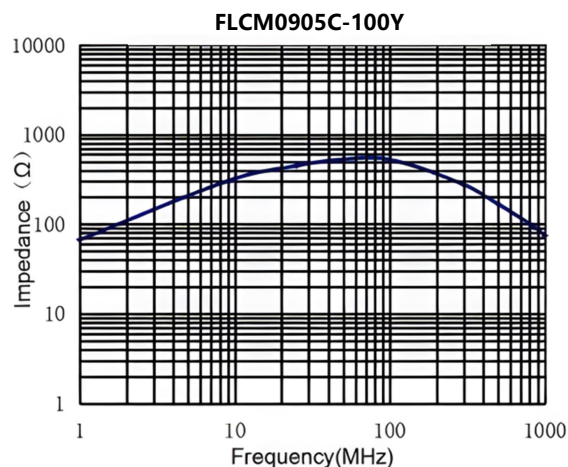
(1) .Rated Current: Temp. rise 40°C TYP

(2) .Operating Temperature: -40 °C up to + 125°C

Common Mode Line Filte FLCM - 0905C Series

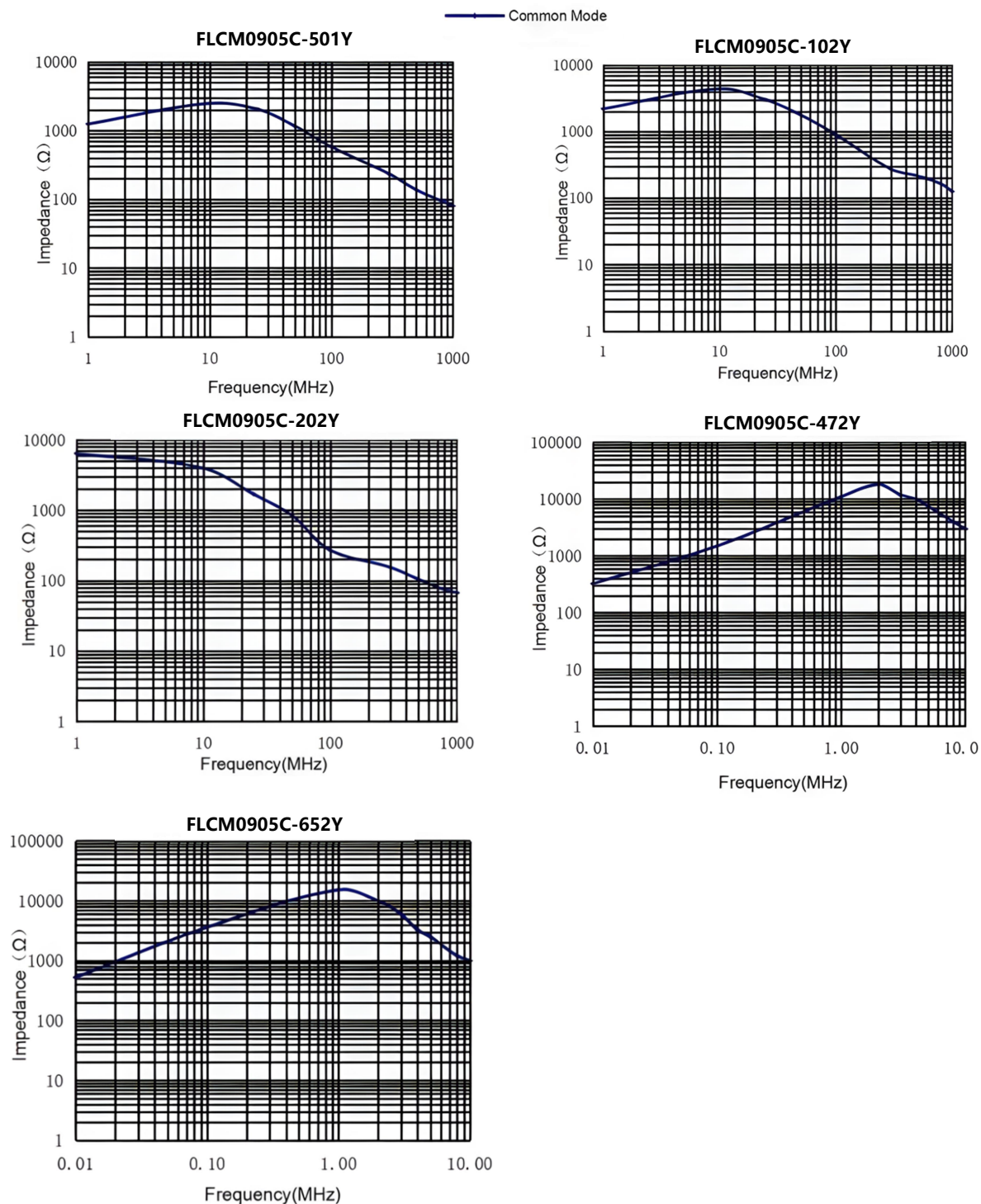
CHARACTERISTICS(REFERENCE)

— Common Mode



Common Mode Line Filte FLCM - 0905C Series

CHARACTERISTICS(REFERENCE)



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