

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:	FRICM-Series

[☒ New Released, ☐ Revised]

SPEC No.:

REMARK:

Customer Approval Feedback

• 深圳市长江微电科技有限公司

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深圳市长江微电科技有限公司

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	董京天

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.

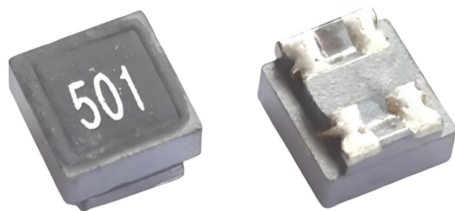
Common Mode Line Filte FRICM Series

Product Identification:

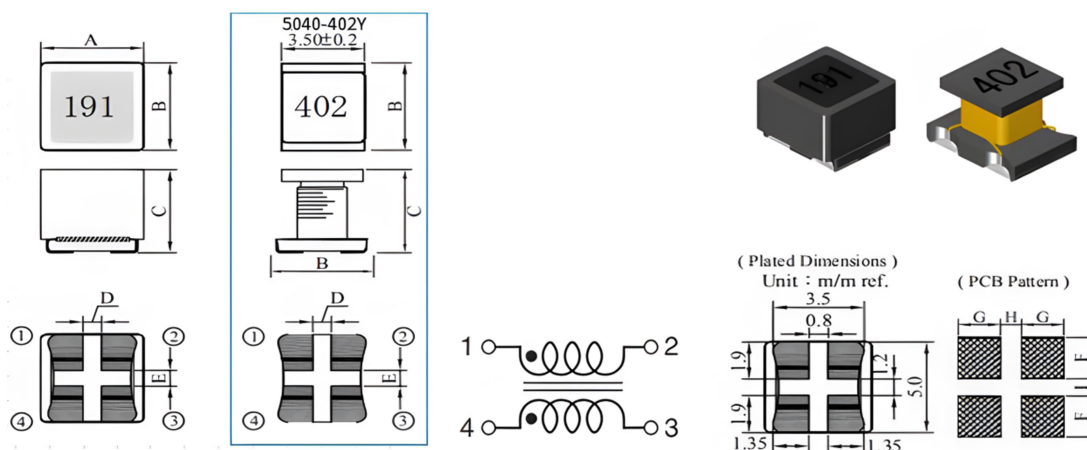
FRICM - 4532 - 101 □

(1) (2) (3) (4)

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



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)
FRICM-4532	5.0±0.3	4.5±0.3	2.8±0.3	1.0Typ	1.65Typ				
FRICM-5020	4.8±0.2	5.0±0.2	2.5Max	0.8Typ	1.0Typ	2.3Typ	1.6Typ	0.8Typ	1.0Typ
FRICM-5040	4.8±0.2	5.0±0.2	4.5Max	0.8Typ	1.0Typ	2.3Typ	1.6Typ	0.8Typ	1.0Typ

Common Mode Line Filte FRICM-4532 Series

ELECTRICAL CHARACTERISTIC:

Part Number	Impedance (Ω)	Test Frequency	Rated Voltage(V)Max	DCR(mΩ)Max	Rated Current (A)Max	IR(MΩ)Min
FRICM-4532-101-E	100(Typ)	100MHz/0.5V	50	9.0m±40%	6.0	9-11
FRICM-4532-251-E	250(Typ)	100MHz/0.5V	50	14m±40%	5.0	9-11
FRICM-4532-501-E	500(Typ)	100MHz/0.5V	50	19m±40%	2.0	9-11
FRICM-4532-102-E	1000±30%	100MHz/0.5V	50	24m±40%	2.0	9-11
FRICM-4532-142-E	1400(Typ)	100MHz/0.5V	50	40m±40%	2.0	9-11

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

Common Mode Line Filte FRICM-5020 Series

ELECTRICAL CHARACTERISTIC:

Part Number	Impedance (Ω)	Test Frequency	Rated Voltage(V)Max	DCR (m Ω)Max	Rated Current (A)Max	IR(M Ω)Min
FRICM-5020-101	100(Typ)	100MHz/0.5V	50	13	6.0	10
FRICM-5020-251	250(Typ)	100MHz/0.5V	50	20	5.0	10
FRICM-5020-501	500(Typ)	100MHz/0.5V	50	27	4.0	10
FRICM-5020-102	1000(Typ)	100MHz/0.5V	50	34	2.0	10
FRICM-5020-142	1400(Typ)	100MHz/0.5V	50	56	1.5	10
FRICM-5020-152	1500(Typ)	100MHz/0.5V	50	56	1.5	10

Common Mode Line Filte FRICM-5040 Series

ELECTRICAL CHARACTERISTIC:

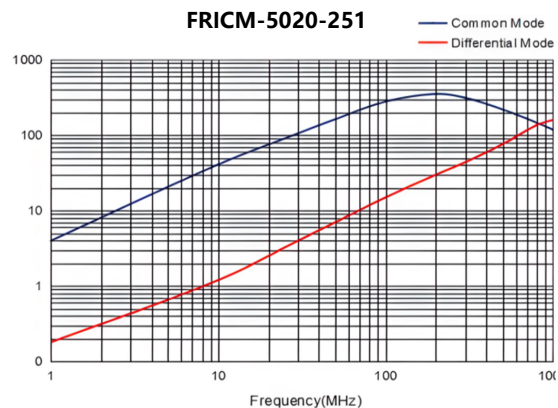
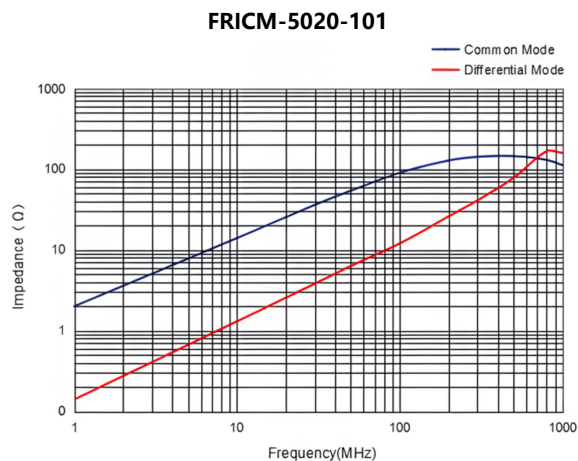
Part Number	Impedance @100MHz (Ω)	Inductance(uH) @100KHz/0.1V	Rated Voltage (Vdc)Max	DCR(Ω) Max	Rated Current (A)Max	IR(M Ω) Min
FRICM-5040-191	190(Typ)	0.6(Typ)	50	0.02	5.0	10
FRICM-5040-351	350(Typ)	1.1(Typ)	50	0.04	2.0	10
FRICM-5040-501	500(Typ)	2.3(Typ)	50	0.23	1.0	10
FRICM-5040-102	1000(Typ)	3.7(Typ)	50	0.06	1.5	10
FRICM-5040-152	1500(Typ)	5.6(Typ)	50	0.10	1.0	10
FRICM-5040-302	3000(Typ)	8.0(Typ)	50	0.20	0.5	10
FRICM-5040-402	4000(Typ)	1.8(Typ)	50	0.30	0.2	10

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

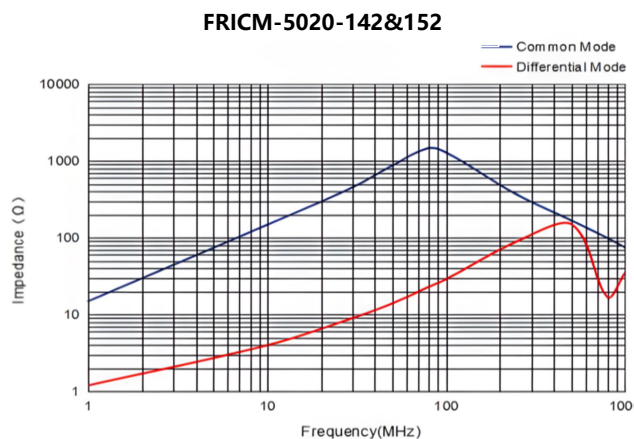
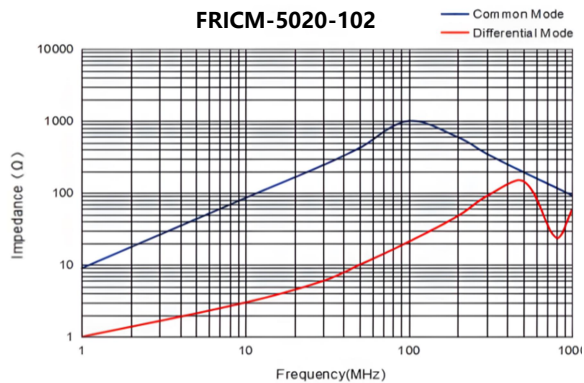
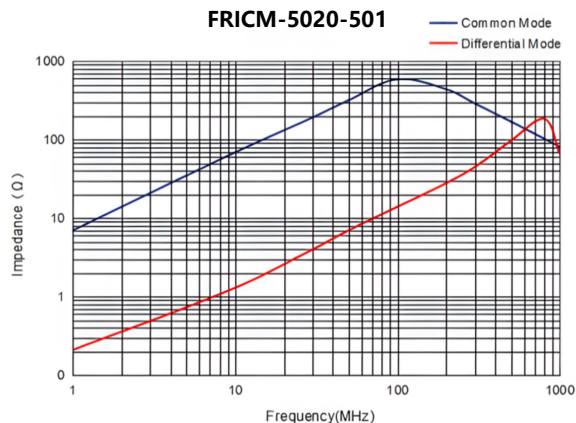
(2) .Operating Temperature: -40 °C up to + 125°C

Common Mode Line Filte FRICM-5020 Series

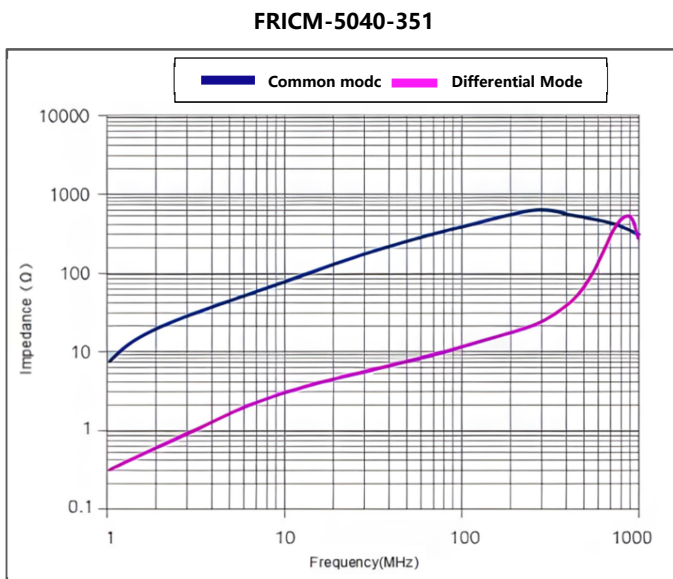
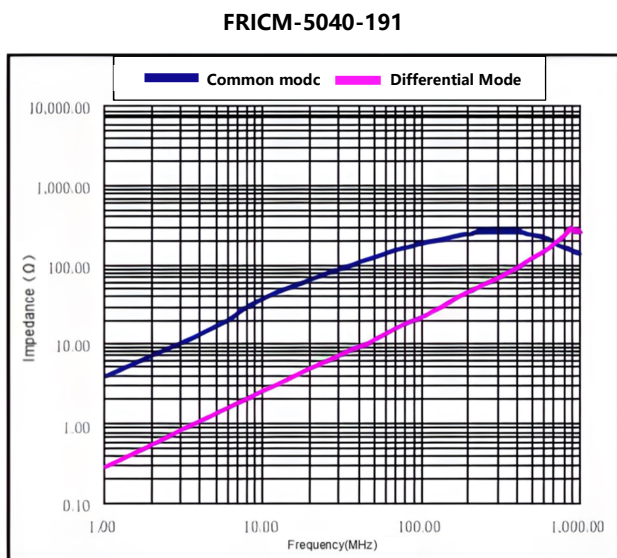
CHARACTERISTICS(REFERENCE)



Common Mode Line Filte FRICM-5020 Series CHARACTERISTICS(REFERENCE)

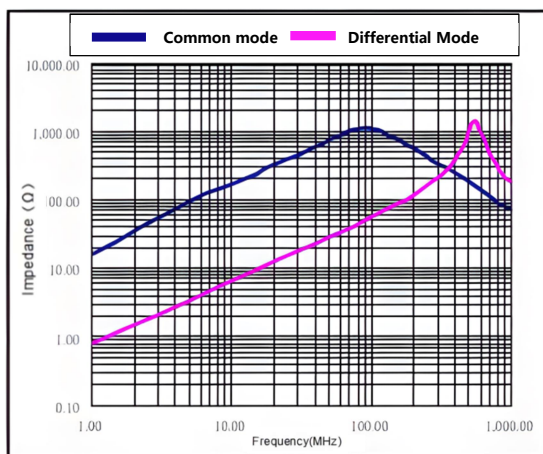


Common Mode Line Filte FRICM-5040 Series CHARACTERISTICS(REFERENCE)

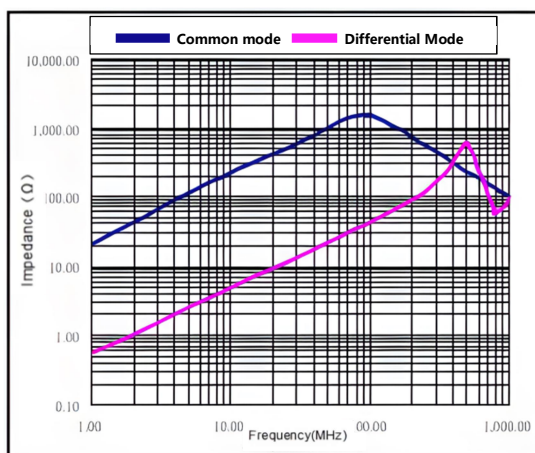


Common Mode Line Filter FRICM-5040 Series CHARACTERISTICS(REFERENCE)

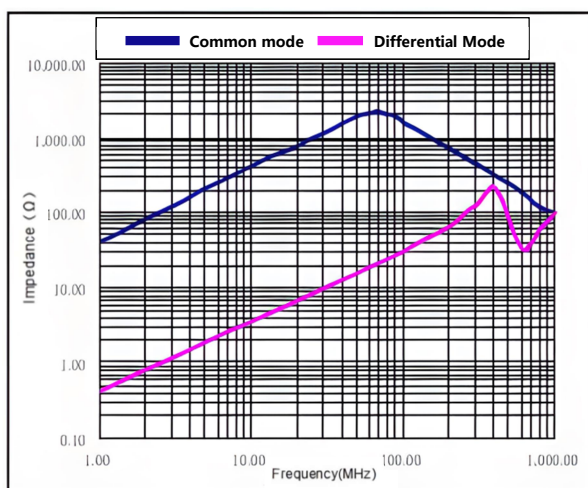
FRICM-5040-102



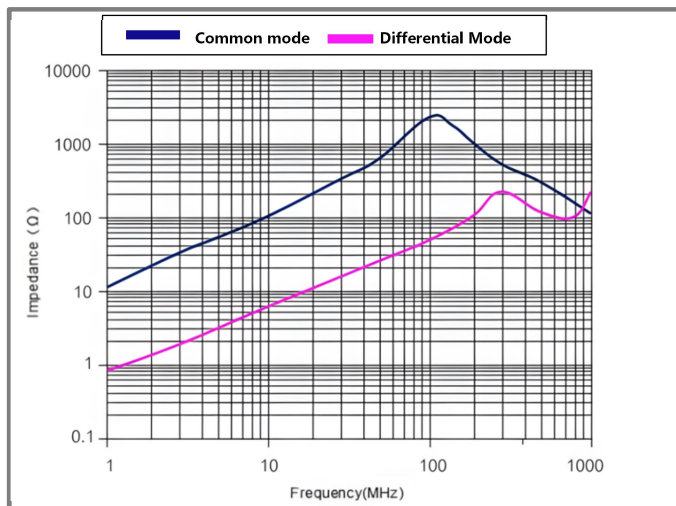
FRICM-5040-152



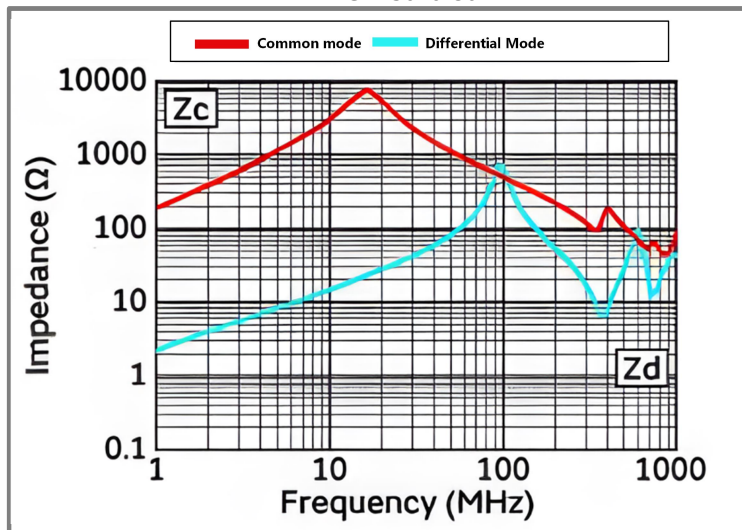
FRICM-5040-302



FRICM-5040-402



FRICM-5040-302



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