

*All the data listed in this catalogue are for reference only, company reserves the right to alter or revise the specifications without prior notification.

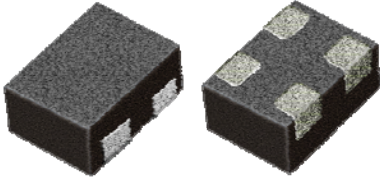
*Detailed specifications are available upon request.

*Customized specifications are available, please contact company for the details.

Type	Fig	TJ P/N	Main Dimensions(mm)			Page
			L	W	H	
Thin Film Common Mode Filters		CMF0605	0.65±0.05	0.55±0.05	0.3±0.05	P2~P4
		CMF0806	0.85±0.05	0.65±0.05	0.4±0.05	
Power Inductors (Shielded)		FRH73	7.2±0.3	7.2±0.3	3.2±0.3	P5~P7
		FRH74	7.2±0.3	7.2±0.3	4.2±0.3	
Power Inductors (Shielded)		FRH103	10.2±0.3	10.0±0.3	3.1Max	P8~P11
		FRH104	10.2±0.3	10.0±0.3	4.0Max	
		FRH105	10.2±0.3	10.0±0.3	5.1Max	
Power Inductors		FDO3316	12.95Max	9.80Max	5.21Max	P12~P15
		FDO3340	12.95Max	9.80Max	11.43Max	
		FDO5022	18.54Max	15.24Max	7.11Max	
SMD Molding Power Inductors		FPM0420	4.49±0.40	4.06±0.30	2.0Max	P16~P20
		FPM0520	5.60±0.30	5.00±0.30	2.0Max	
		FPM0630	7.30±0.30	6.60±0.30	3.0Max	
		FPM1040	11.0±0.50	10.0±0.30	4.0Max	
Power Inductors		CD43	4.0±0.3	4.5±0.3	3.2±0.3	P21~P23
		CD54	5.2±0.3	5.8±0.3	4.5±0.3	

Thin Film Common Mode Filters

CMF0605&0806 Series



- Common Mode Filters
- Thin film deposition process
- Impedance Range: 0 to 90Ω
- Operating temperature -25℃ to +85℃
- Rohs compliant

Product Identification

<u>CMF</u>	<u>0605</u>	<u>S</u>	<u>350</u>	<u>2P</u>
①	②	③	④	⑤

- ① Product Symbol.
- ② Product dimensions
- ③ Product internal code
- ④ Impedance(at 100MHz): 900 = 90Ω , 350 = 35Ω , 120 = 12Ω , 070 = 7Ω
- ⑤ Line Code: 2P= 2 lines

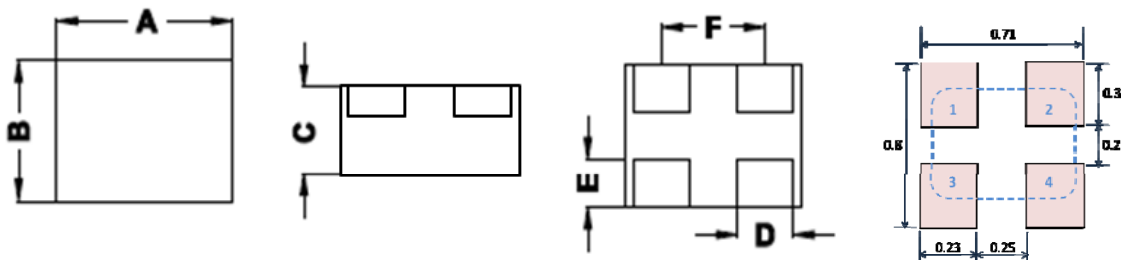
Features

- Effective for suppressing common mode noise at high frequency
- Excellent solderability characteristics
- Small size & low profile
- SMD component based on Thin film deposition process

Applications

- Common mode noise suppression of high speed differential signal lines, such as MIPI, MHL, HDMI in mobile phone, tablet PC, TV etc.

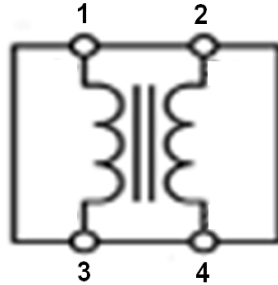
External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F
CMF0605	0.65±0.05	0.55±0.05	0.3±0.05	0.2±0.05	0.15±0.1	0.3±0.1
CMF0806	0.85±0.05	0.65±0.05	0.4±0.05	0.27±0.05	0.2±0.1	0.5±0.1

Thin Film Common Mode Filters

Equivalent Circuit



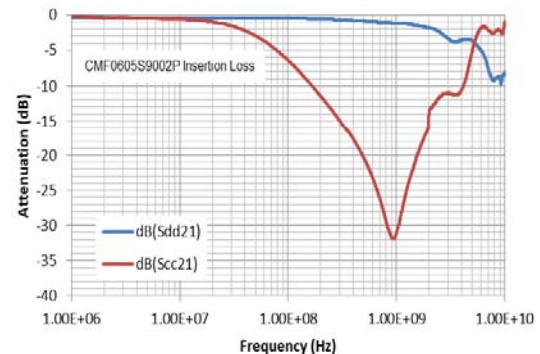
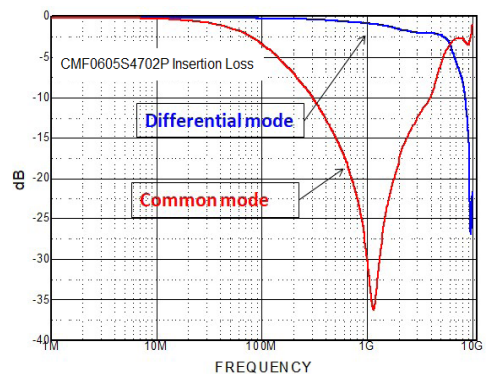
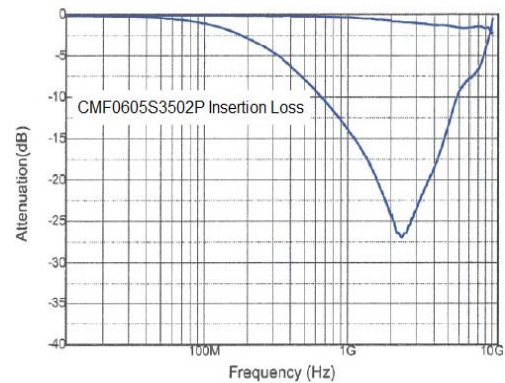
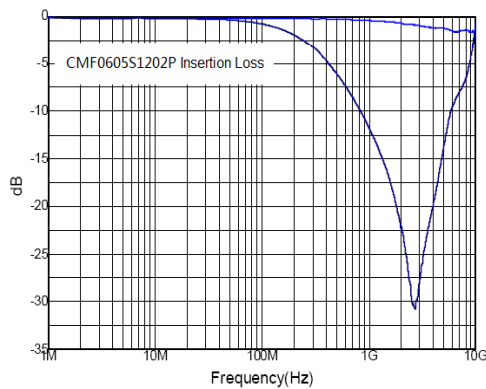
• No Polarity

Electrical Specifications

CMF0605 Series

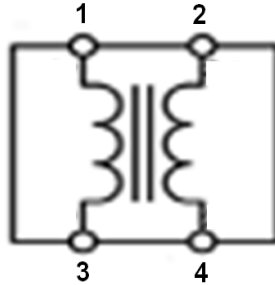
Part Number	Common Mode Impedance at 100 MHz(Ω)	Max.DC Resistance Rdc (Ω)	Rated Voltage (V)	Rated Current (mA)	Insulation Resistance I.R.(M Ω)
CMF0605S1202P	12 $\pm$ 25%	2.5	5	100	10
CMF0605S3502P	35 $\pm$ 25%	2.5	5	100	10
CMF0605S4702P	47 $\pm$ 25%	3.2	5	100	10
CMF0605S9002P	90 $\pm$ 25%	4.0	5	100	10

Electrical Characteristics



Thin Film Common Mode Filters

Equivalent Circuit



• No Polarity

Electrical Specifications

CMF0806 Series

Part Number	Common Mode Impedance at 100 MHz(Ω)	Max.DC Resistance Rdc (Ω)	Rated Voltage (V)	Rated Current (mA)	Insulation Resistance I.R.(M Ω)
CMF0806S1202P	12 $\pm$ 25%	1.7	5	100	10
CMF0806S3502P	35 $\pm$ 25%	2.5	5	100	10
CMF0806S4702P	47 $\pm$ 25%	3.5	5	100	10
CMF0806S9002P	90 $\pm$ 25%	4.0	5	100	10

Electrical Characteristics

