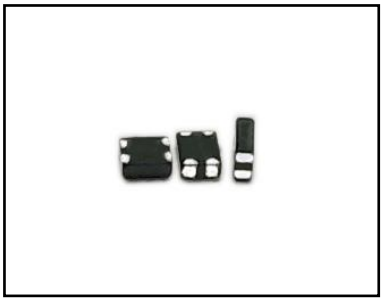
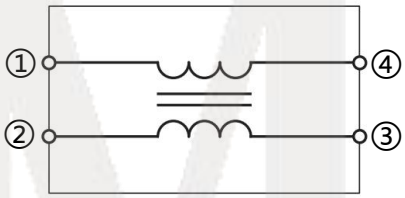
Desicription

- The common mode filter is mainly used to reduce radiation and high frequency common mode noise.
- Reduce asymmetric interference on data lines and other interfaces.
- Impedance characteristics match the impedance of most differential interface Settings, controlling unnecessary reflection formation
- Low leakage, no effect on differential mode current



Features

- Size:0.65mm*0.5mm*0.3mm
- Halogen free ,Lead free ,Reach and RoHs
- USB2.0,LCD,MIPI,USB3.0,Display Port,DVI,HDMI



Circuit Diagram

Application

- Cellular phones
- Portable devices
- Digital cameras
- Player
- Smart home
- Robot

PIN NUMBER	DESCRIPTION
① ~ ④	DATE LINE
② ~ ③	DATE LINE

Order information

Model	Marking	Package	shipping
CMF0605DH900MFR		**0605**	**10000Tape&Reel**

Part Numbering

CMF	0605	DH	900	M	F	R
A	B	C	D	E	F	G

A:ASIM common mode filter

B:Dimension

C:Ordinary high speed differential signal(for 8.0GHz)

D:Common Mode Impedance (at 100MHz), 900= 90Ω

E:Tolerance of common mode impedance, M= ±20%

F:Type of electrode plating: F= Lead Free

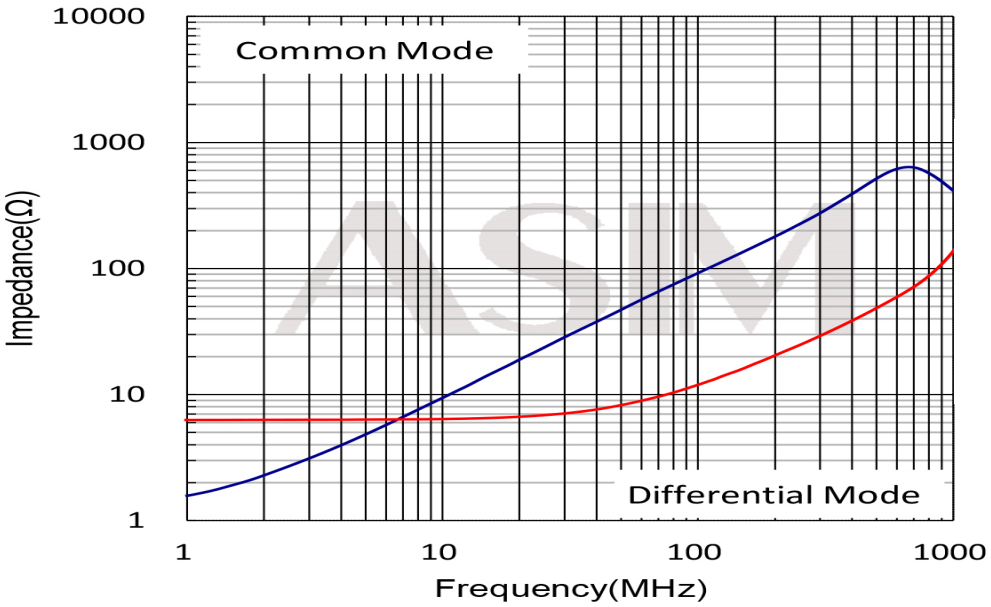
G:Packing Type, R= Reel

Specification

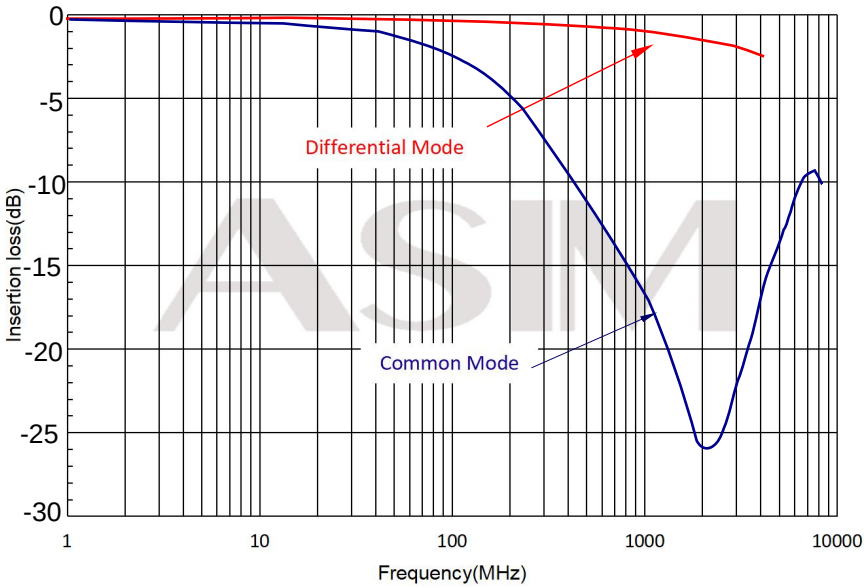
Part number	Common mode impedance(Ω) @100MHz	Rated Current (mA)	DC Resistance (Ω) max
CMF0605DH900MFR	90±20%	100	5.0
	Rated volt (Vdc)	**Withstand volt (Vdc)**	**IR (Ω) min**
	5	10	10M
	Operation junction temperature	**Lead temperature**	**Storage temperature***
	-40℃~+85℃	260℃	-40℃~85℃

*The storage temperature is subject to the fixed substrate

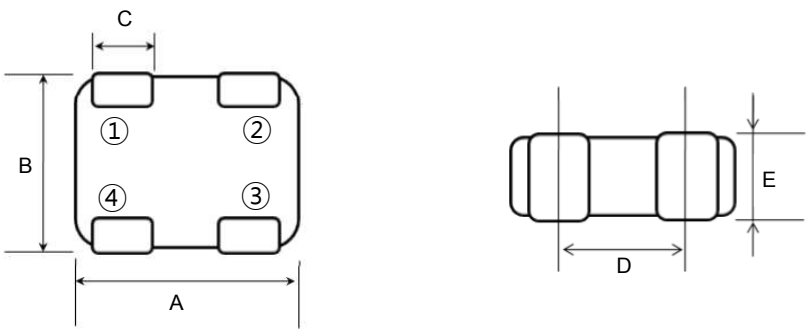
Performance Curves



Transmission Characteristics

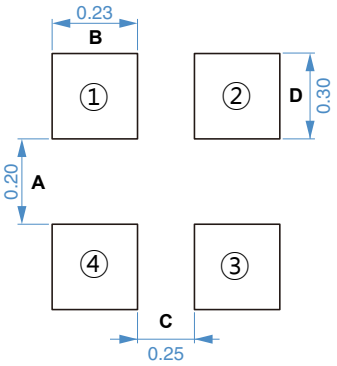


Dimension (mm)

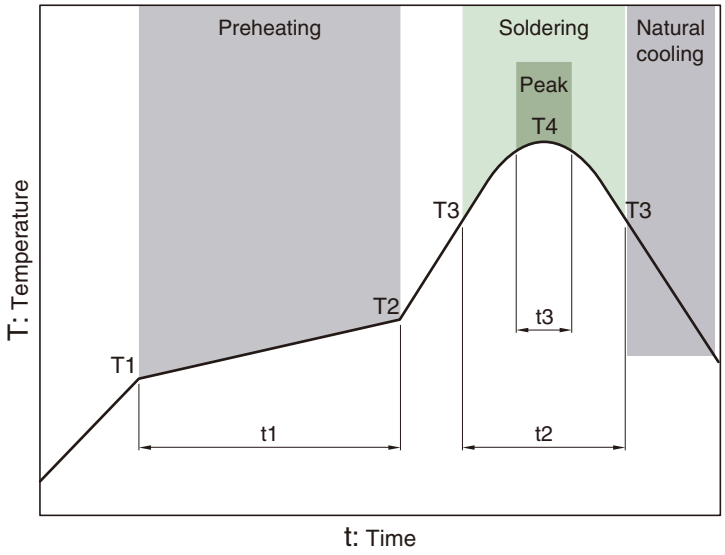


Symbol	A	B	C	D	E
Dimension	0.65±0.05	0.50±0.05	0.17±0.10	0.42±0.10	0.30±0.05

Recommended Land Pattern (mm)



Recommended Reflow Profile



Preheating			Soldering		Peak	
Temp.		Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150°C	180°C	60 to 120s	230°C	25 to 35s	250°C	5s