

Characteristic

- Small package, thin(L 0.65 mm x W 0.50 mm x H 0.30 mm)
- At the same time, the EMI noise on the high-speed differential transmission line is suppressed, and the frequency is above 8.5 GHz, which has little influence on the passivation of transmission signal.
- Excellent heat resistance of reflow soldering and high mounting reliability.
- Lead free, halogen free, antimony free.
- Has responded to ROHS directive.

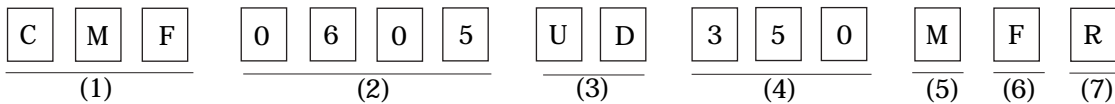


Common mode filter

Application

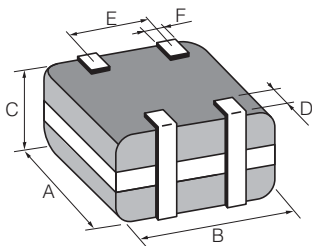
- It is used in smart phones, tablet computers, digital cameras and other small electronic products
- It is applied to high-speed differential data cables such as USB2.0,USB3.0,LVDS,HDMI, etc

Model naming method



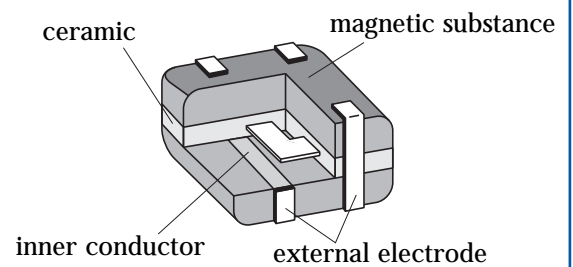
- (1) Common mode filter
 - (2) Package(L 0.65 mm x W 0.50 mm x H 0.30 mm)
 - (3) Special for ultra-high speed signal
 - (4) Common mode impedance
 - (5) Tolerance of common mode impedance:± 20%
 - (6) Type of electrode plating :F= Lead Free
 - (7) Packing Type,R= Reel
- Quanting per Reel: 10000pcs

Size

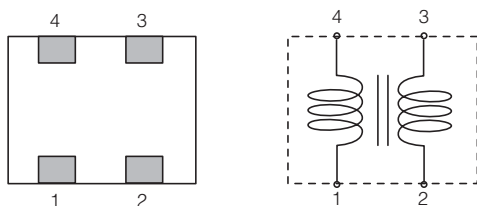


model	Size (mm)						weight (mg/PCS)
	A	B	C	D	E	F	
CMF0605	0.50±0.05	0.65±0.05	0.30±0.05	0.12±0.10	0.40±0.10	0.15±0.10	0.43

Chart



Circuit structure



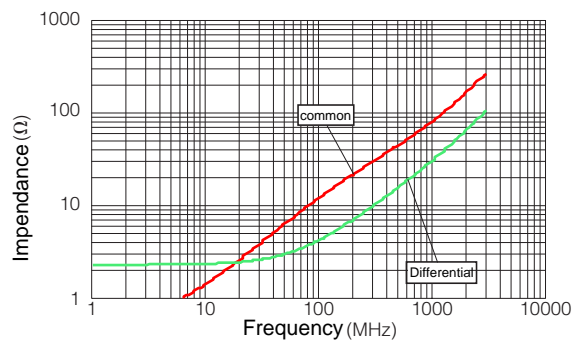
Electrical parameters

model	Impedance ()@100M	Rated voltage V(DC)	Rated current mA(DC)	Dc resistance ()max
	Common			
CMF0605UD120MFR	12	5	100	2.0
CMF0605UD350MFR	35	5	100	2.7

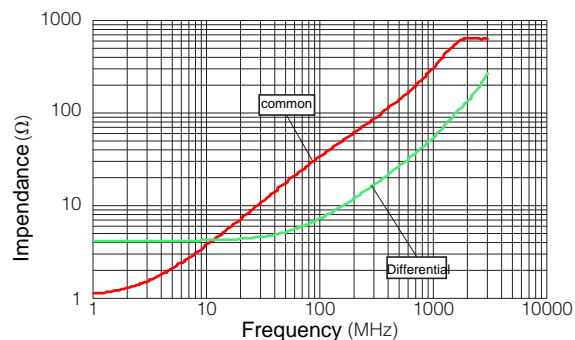
● Operating temperature range: -40 ~ +85

Impedance characteristic

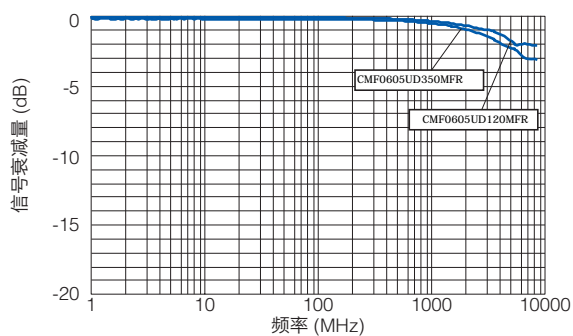
● CMF0605UD120MFR



● CMF0605UD350MFR



Differential mode attenuation



Common mode attenuation

