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

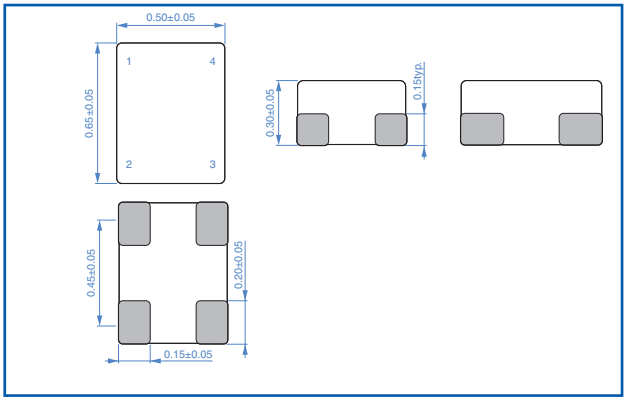
- It is used in smart phones, tablet computers, digital cameras and other small electronic products
- It is applied to high-speed differential data cables such as USB2.0,USB3.0,LVDS,HDMI, etc

Model naming method

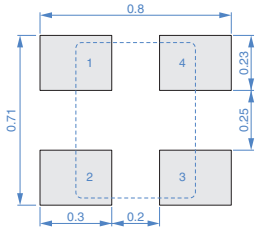
C	M	F	0	6	0	5	U	D	3	5	0	M	F	R
(1)			(2)				(3)		(4)			(5)	(6)	(7)

(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

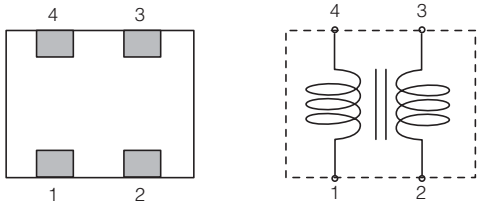


Recommended land pattern



Dimensions in mm

Circuit structure



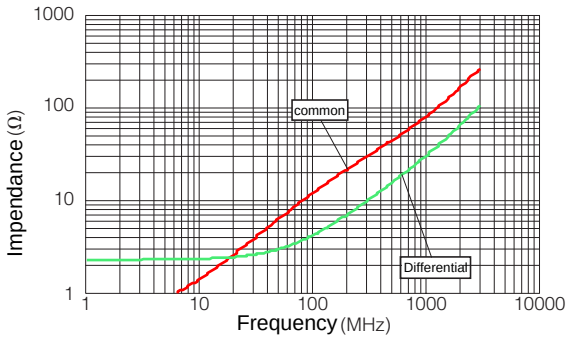
Electrical parameters

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

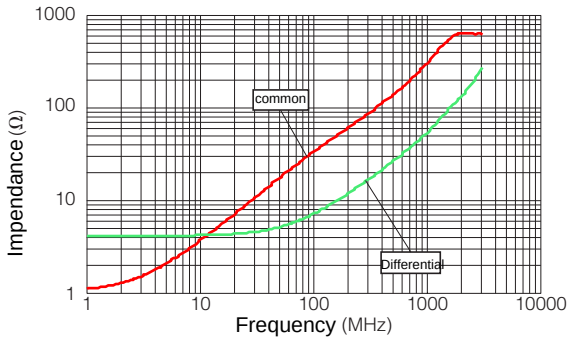
●Operating temperature range: -40℃~+85℃

Impedance characteristic

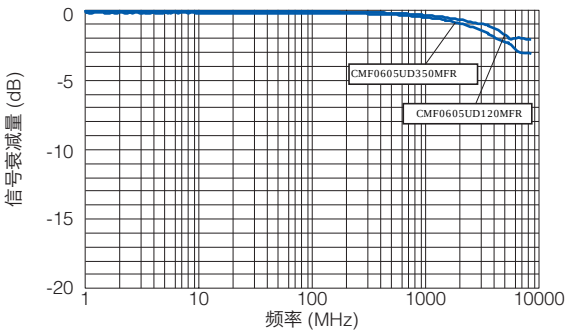
●CMF0605UD120MFR



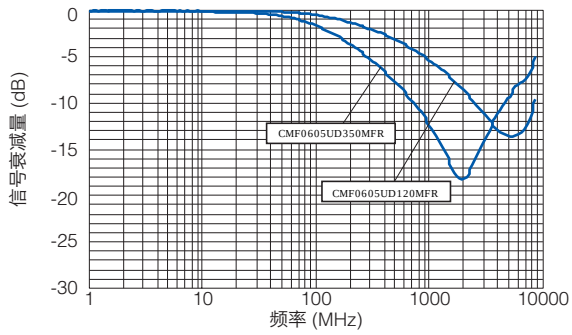
● CMF0605UD350MFR



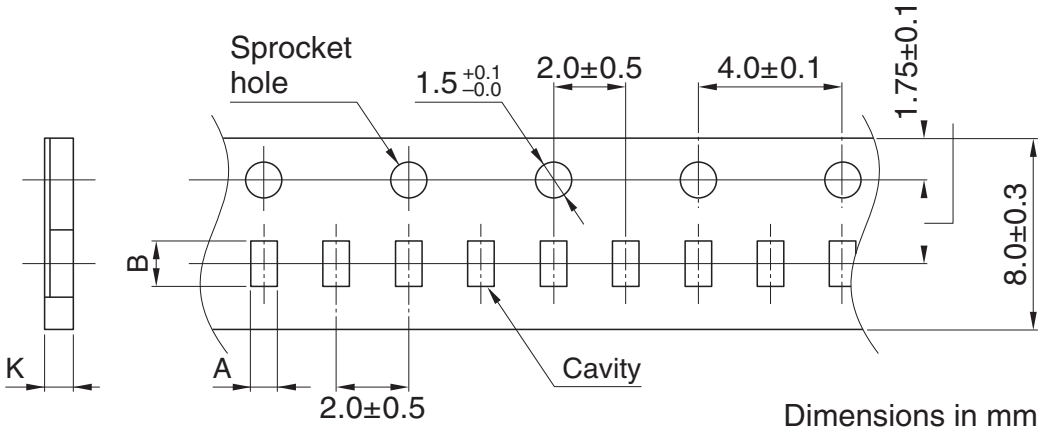
Differential mode attenuation



Common mode attenuation

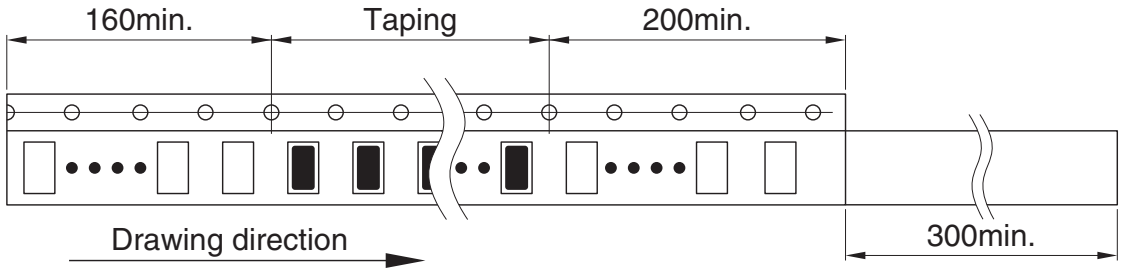


TAPE dimensions

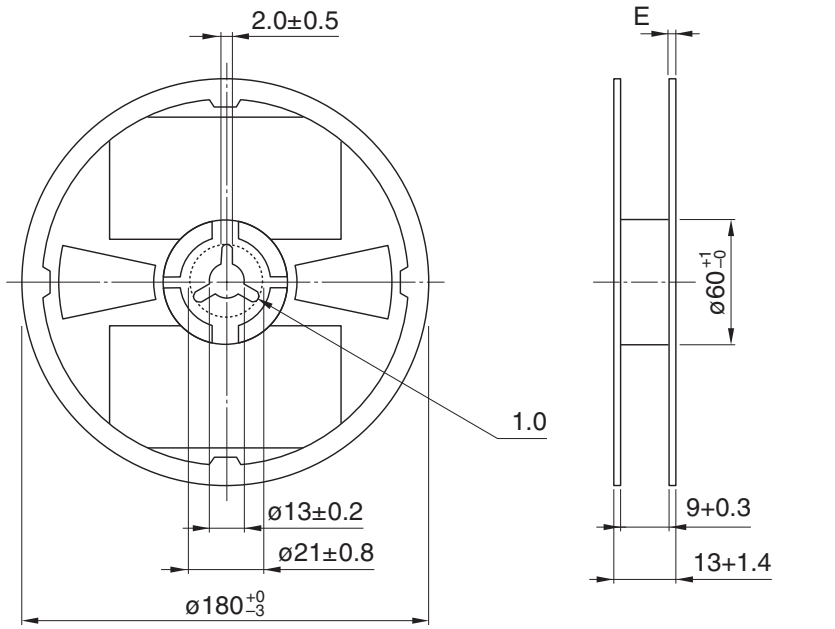


Dimensions in mm

Type	A	B	K
CMF0605UD	0.63	0.77	0.35



Dimensions in mm



Dimensions in mm