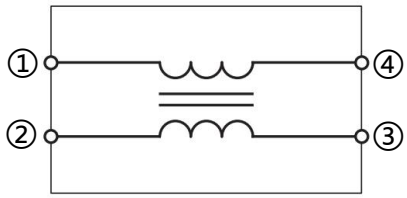
Desicription

- ◆ 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
- ◆ AEC-Q200



Features

- ◆ Size:2.0mm*1.2mm*1.2mm
- ◆ Halogen free ,Lead free ,Reach and RoHs



Circuit Diagram

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

Order information

Model	Package	shipping
CMF2012WDC900MQT	**2012**	**2000/Tape&Reel**

Part Numbering

CMF	2012	W	D	C	900	M	D	T
A	B	C	D	E	F	G	H	I

A: ASIM common mode filter

B: Dimension

C: Wire wound

D: Shielding type USB3.0/7.5G

E: Car level

F: Impedance 900=90 Ω

G: Tolerance M±25%

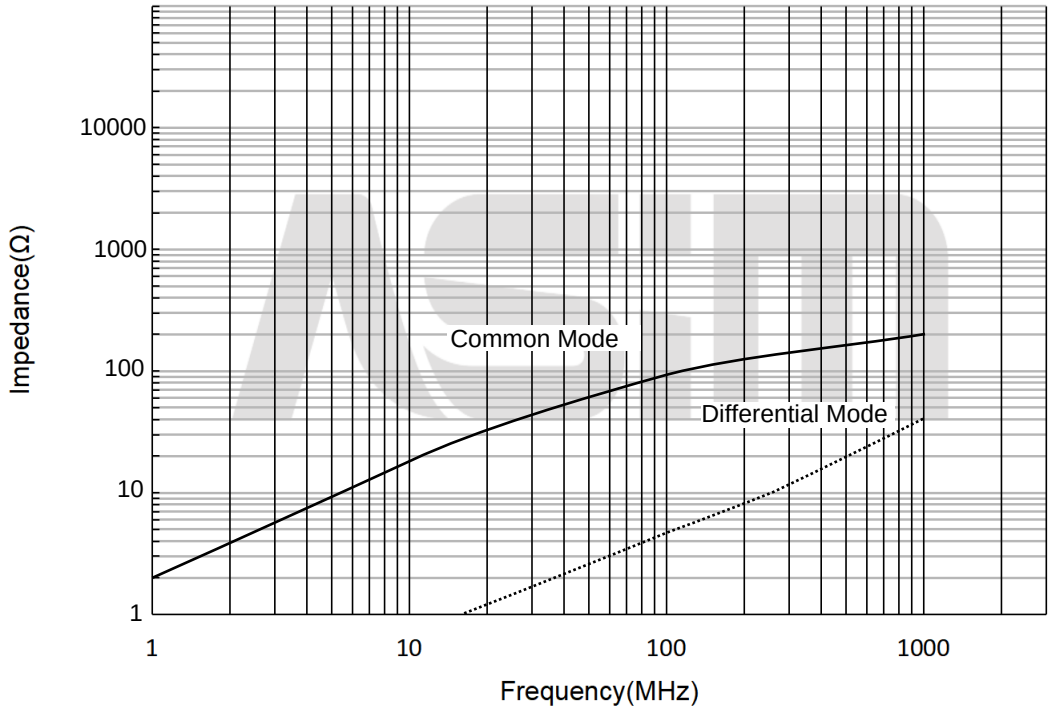
H: Internal series

I : Tape

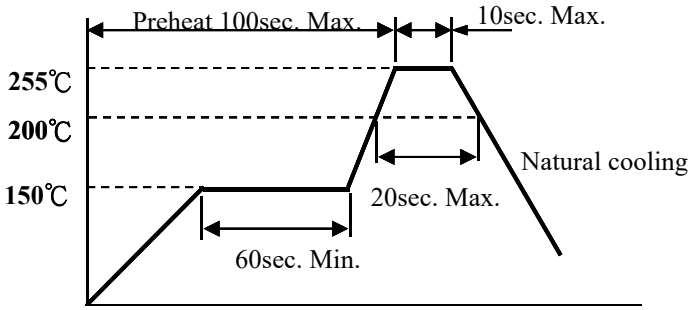
Specification

Part number	Common mode impedance(Ω) @100MHz	Rated Current (mA)	DC Resistance (Ω) max
CMF2012WDC900MQT	90±25%	300	0.30
	Rated volt (Vdc)	**Cut-off Frequency (GHz)**	**IR (Ω) min**
	50	7.5	10M
	Characteristic Resistance(Ω)	**Operation junction temperature**	**Storage temperature**
	100 typ	-40℃~+125℃	-40℃~85℃

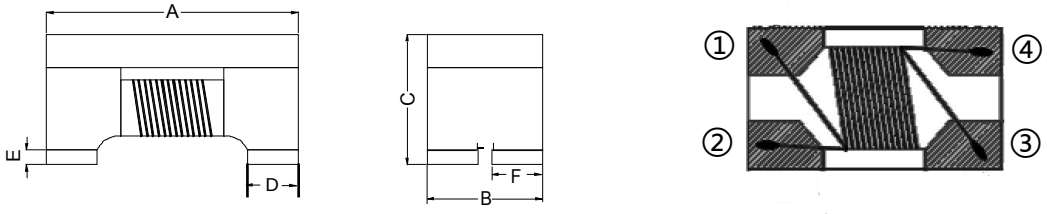
Performance Curves



Recommended Reflow Profile

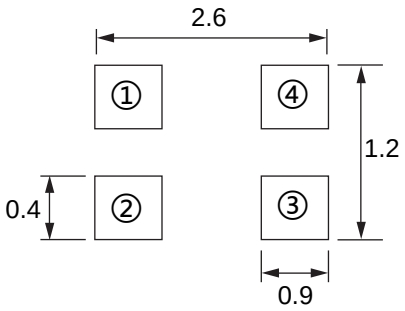


Dimension

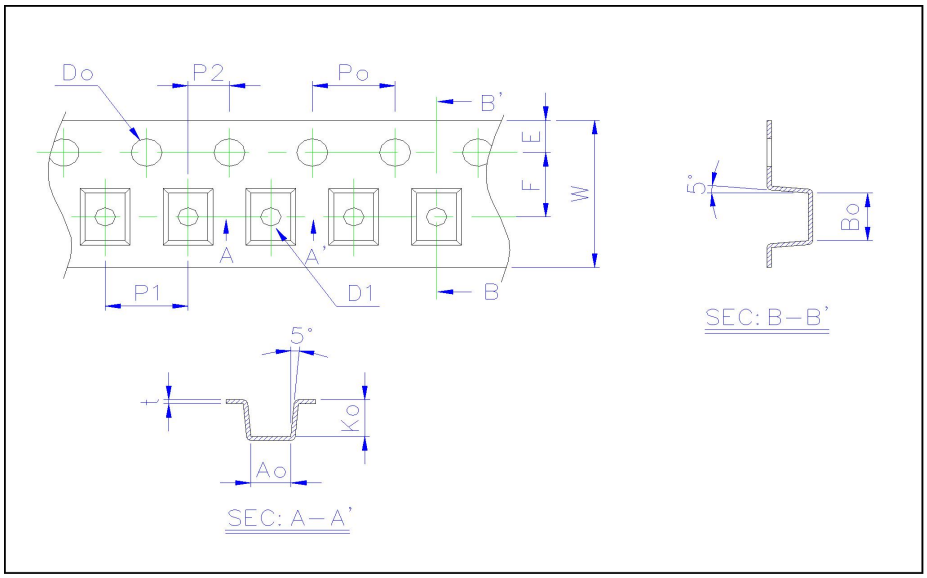


A(mm)	B(mm)	C(mm)	D(mm)	F(mm)	E(mm)
2.0±0.2	1.2±0.2	1.2±0.2	0.45 typ	0.40 typ	0.20±0.1

Recommended Land Pattern (mm)



Tape Dimension



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
2012	1.50±0.10	2.35±0.10	1.45±0.10	8.00±0.20	1.75±0.10	3.50±0.05	4.0±0.05	4.0±0.10	1.0±0.1