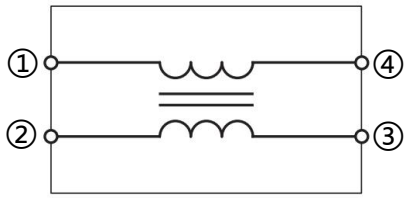
Desicription

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



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	Package	shipping
CMF2012WA900MDT	**2012**	**2000/Tape&Reel**

Part Numbering

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

A:ASIM common mode filter

B:Dimension

C:Wire wound

D:Shielding type

E:Impedance 900=90 Ω

F:Tolerance M±25%

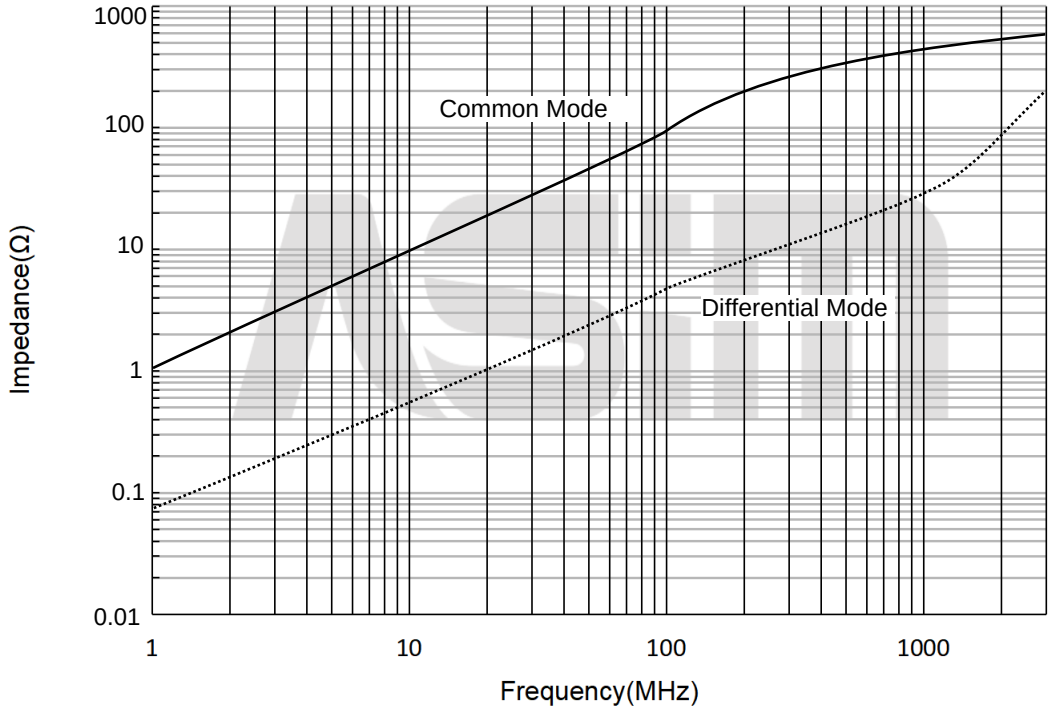
G:Internal series

H:Tape

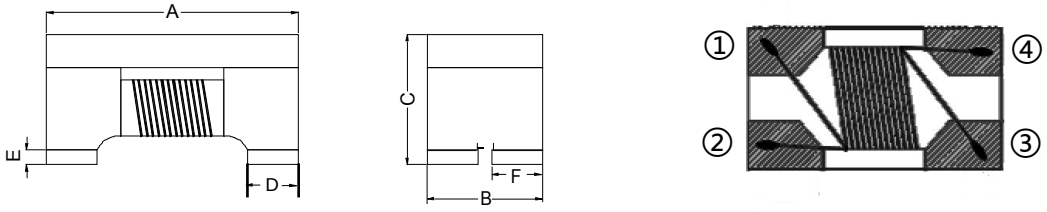
Specification

Part number	Common mode impedance(Ω) @100MHz	Rated Current (mA)	DC Resistance (Ω) max
CMF2012WA900MDT	90±25%	330	0.35
	Rated volt (Vdc)	**Withstand volt (Vdc)**	**IR (Ω) min**
	50	125	10M
	Operation junction temperature	**Lead temperature**	**Storage temperature**
	-40℃~+105℃	260℃	-10℃~40℃

Performance Curves

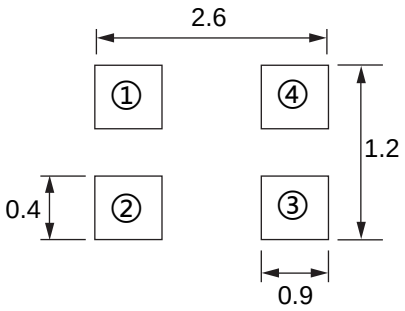


Dimension



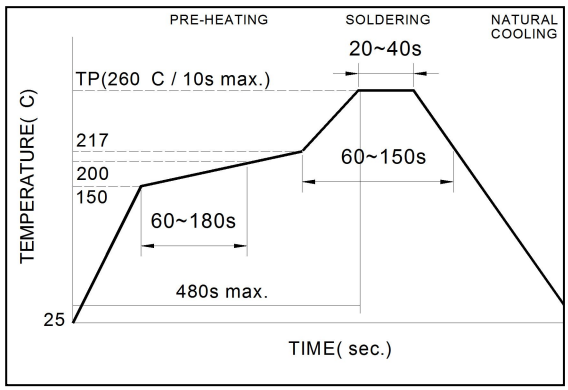
A(mm)	B(mm)	C(mm)	D(mm)	F(mm)	E(mm)
2.0±0.2	1.2±0.2	1.2±0.2	0.55±0.1	0.46±0.1	0.15±0.1

Recommended Land Pattern (mm)



Recommended Reflow Profile

Figure 1.
Re-flow Soldering
(Lead Free)



Note：

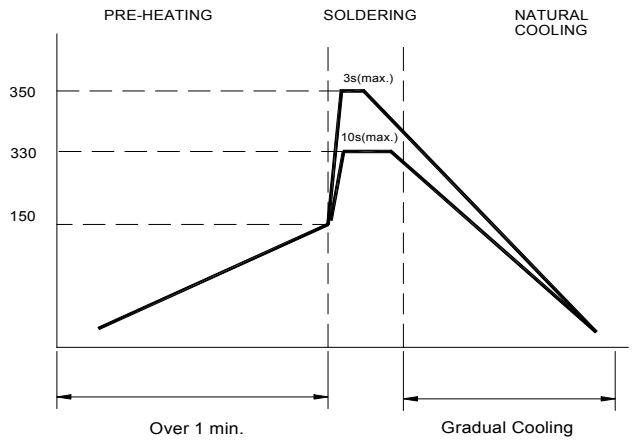
·Preheat circuit and products to 150℃

·260℃ tip temperature (max)

·Reflow times: no more than 2 times

·Solder paste thickness: the best 0.08mm is ,but max is 0.1mm

Figure 2.
Hand Soldering



Note：

· Use a 20 watt soldering iron with tip diameter of 1.0mm

· Limit soldering time to 3 sec.