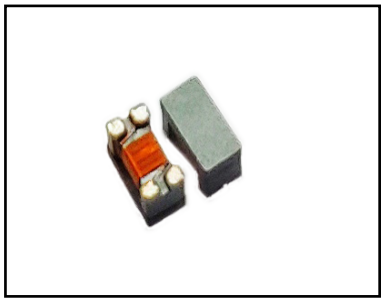


Features

- The common mode filter is mainly used to reduce radiation and high frequency common mode noise.
- Reduce asymmetric interference on CAN,power and other interfaces.
- Small package large current to meet a variety of circuits
- Low leakage, no effect on differential mode current
- Packaging quantity:2000pcs

Application

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

Part Numbering

CMF	3216	W	A	102	M	Q	T
A	B	C	D	E	F	G	H

A:ASIM common mode filter

B:Dimension

C:Wire wound

D:Shieling type for 1.0GHz

E:Common Mode Impedance (at 100MHz), 900=90Ω 161=160Ω 261=260Ω 601=600Ω 102=1000Ω

F:Tolerance M±25%

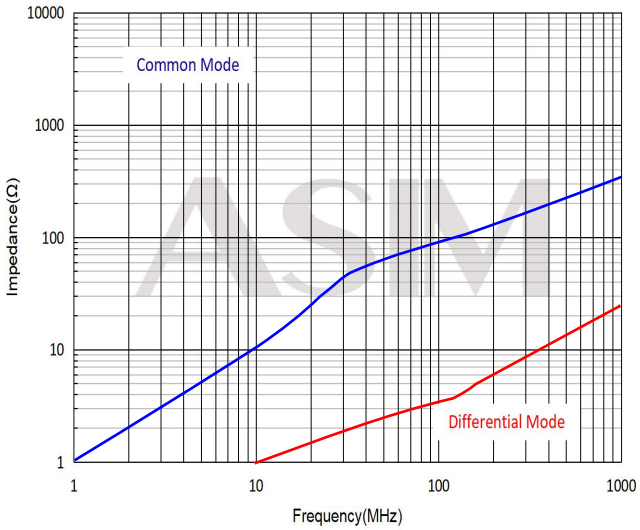
G:Internal series

H:Tape

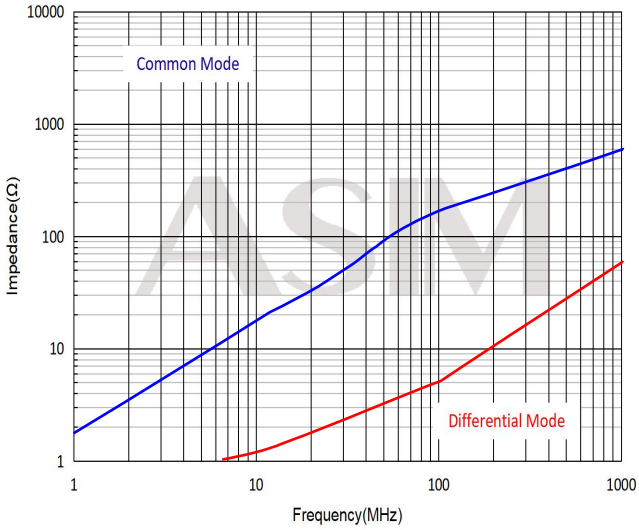
Specification

Part Number	Common mode Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω) max.	Rated Current (mA)	Rated Volt. (Vdc)	Withstand Volt. (Vdc)	IR (Ω) min.
CMF3216WA900MQT	90±25%	100	0.30	500	50	125	10M
CMF3216WA161MQT	160±25%	100	0.40	340	50	125	10M
CMF3216WA261MQT	260±25%	100	0.50	310	50	125	10M
CMF3216WA601MQT	600±25%	100	0.80	260	50	125	10M
CMF3216WA102MQT	1000±25%	100	1.00	230	50	125	10M

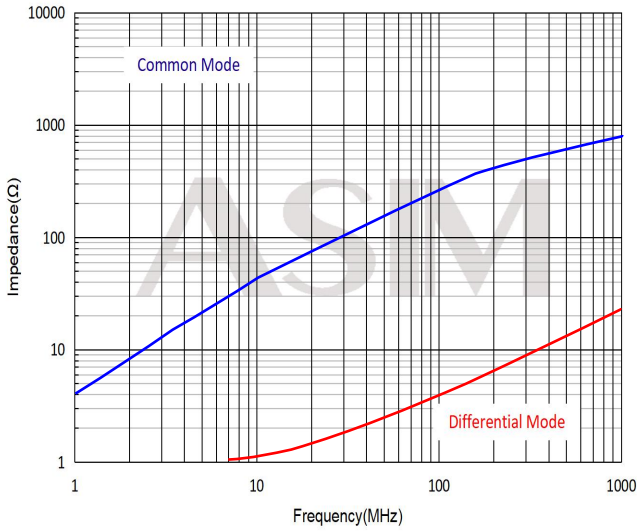
Performance Curves



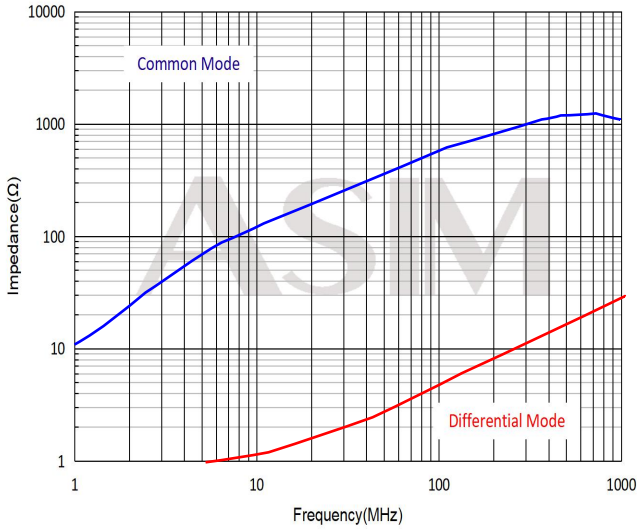
CMF3216WA900MQT



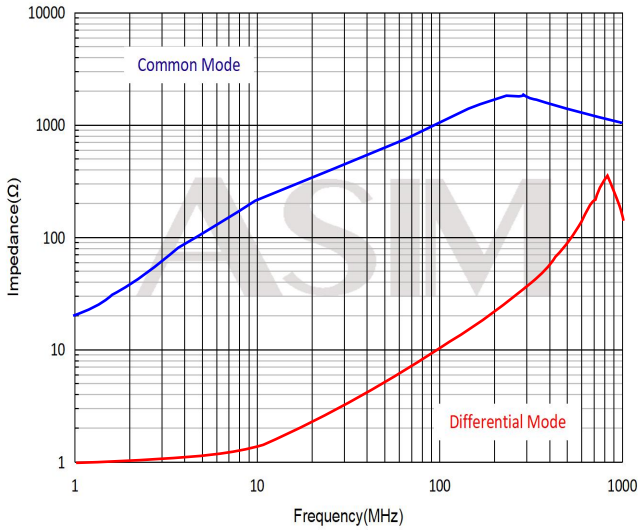
CMF3216WA161MQT



CMF3216WA261MQT

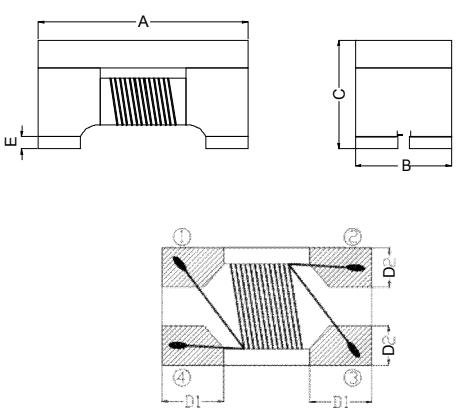


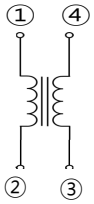
CMF3216WA601MQT



CMF3216WA102MQT

Dimension (mm)

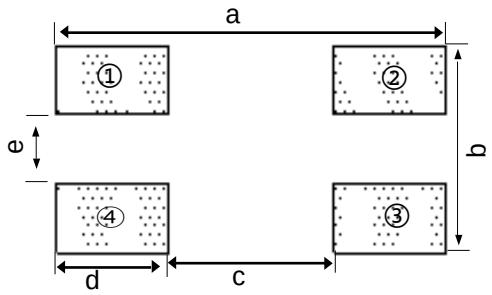




PIN NUMBER	DESCRIPTION
① ~ ②	DATA LINE
④ ~ ③	DATA LINE

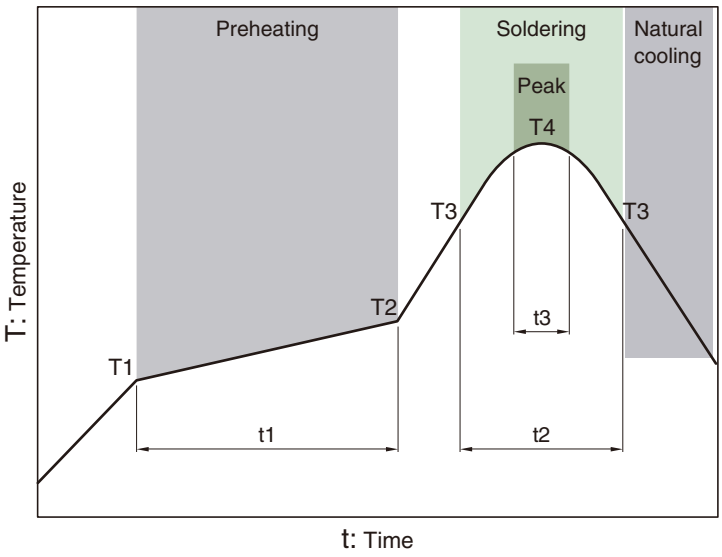
A(mm)	B(mm)	C(mm)	D1(mm)	D2(mm)	E(mm)
3.2±0.2	1.6±0.2	1.8±0.2	0.6 ±0.1	0.6 ±0.1	0.15±0.1

Recommended Land Pattern (mm)



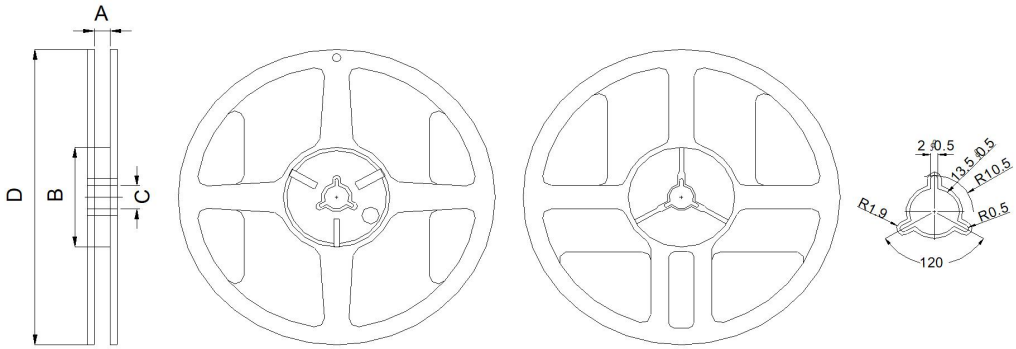
Symbol	a	b	c	d	e
Dimension	3.7	1.6	1.6	1.05	0.4

Recommended Reflow Profile



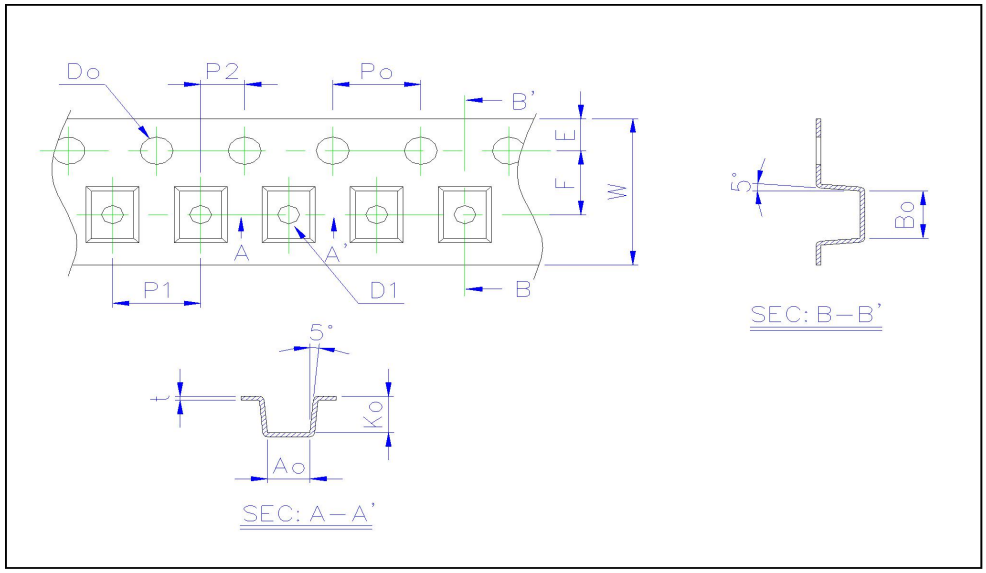
Preheating			Soldering		Peak	
Temp.		Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150°C	180°C	60 to 120s	230°C	25 to 35s	250°C	5s

Reel Dimmension&Tape Dimension (mm)



7"x8mm　　7"x12mm

Type	A(mm)	B(mm)	C(mm)	D(mm)
7”x8mm	9.0±0.5	60±2	13.5±0.5	178±2
7”x12mm	13.5±0.5	60±2	13.5±0.5	178±2



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
3216	1.88±0.10	3.50±0.10	2.10±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