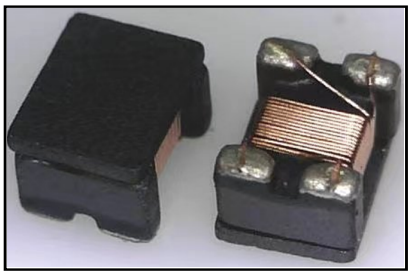
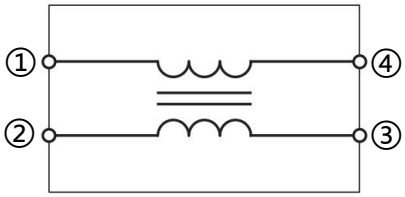
Desicription

- ◆ 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:3.2mm*2.5mm*2.5mm.
- ◆ Halogen free ,Lead free ,Reach and RoHs.
- ◆ Operating temperature : -40 to +125℃
- ◆ Storage temp. and humidity : -25 to +85℃ ,70%RH max



Circuit Diagram

Application

- ◆ Automotive Ethernet based on 1000Base-T1

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

Order information

Model	Package	shipping
CMF3225WA220HFR	**3225**	**1000/Tape&Reel**

Part Numbering

CMF	3225	W	A	200	H	F	R
A	B	C	D	E	F	G	H

A:ASIM common mode filter

B:Dimension

C:Wire wound

D:The internal serial number

E:Impedance

F: Tolerance +50%/-30%

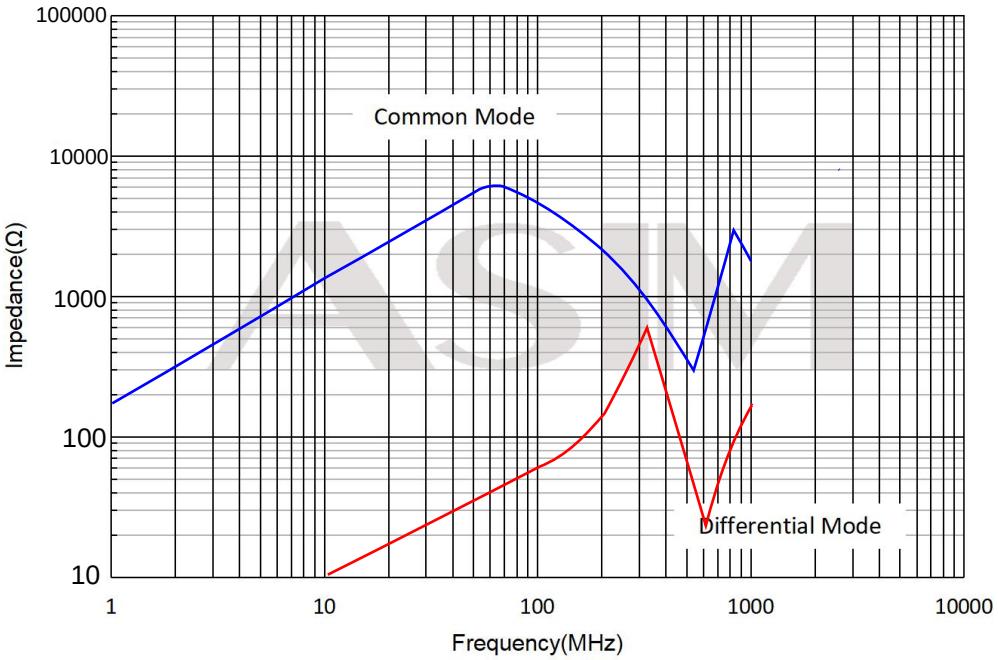
G:Internal series

H: Tape

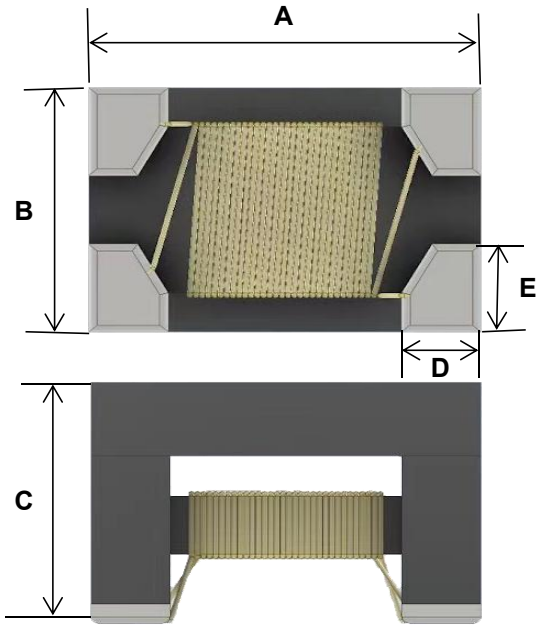
Specification

P/N	L (uH) Common Mode inductance @100KHz	DCR (Ω)	ID (mA)	Rated Voltage	Insulation Resistance	Withstanding Voltage
		MAX	MAX	Vdc	IR	Vdc
				(V)Typical	(MΩ)Min	(V)Typical
CMF3225WA220HFR	22.0	0.5	250	80	10	125

Performance Curves

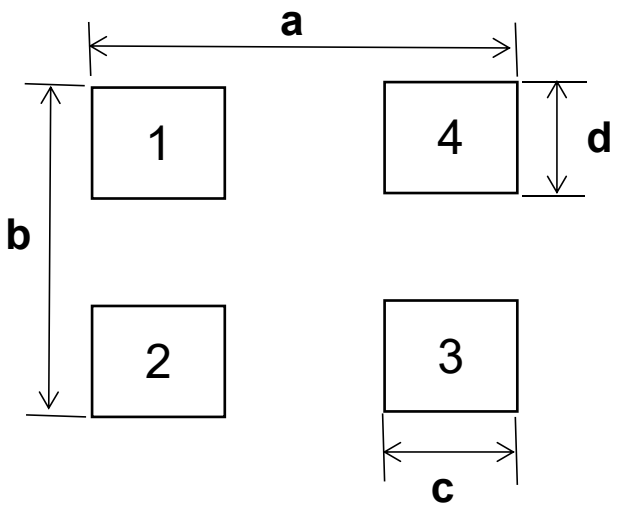


Dimension (mm)



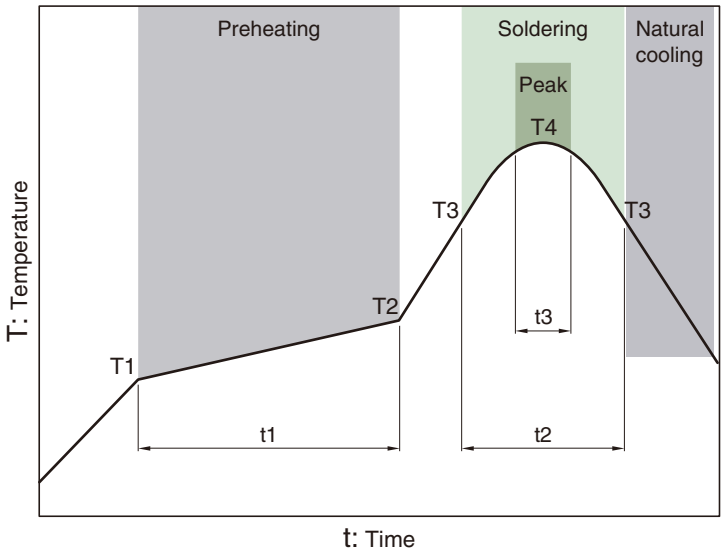
3225	Dimensions(mm)
A	3.2 ± 0.2
B	2.5 ± 0.2
C	2.5 Max.
D	0.55 ± 0.2
E	0.75± 0.2

Recommended Land Pattern (mm)



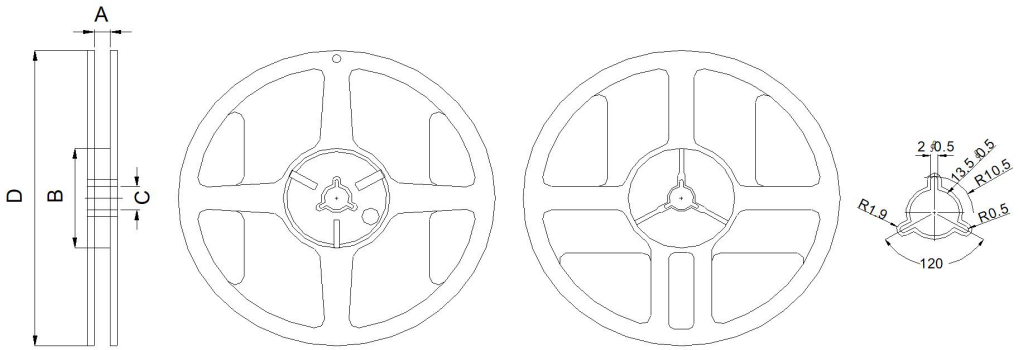
Symbol	Dimensions (mm)
a	3.7
b	2.8
c	0.9
d	0.9

Recommended Reflow Profile



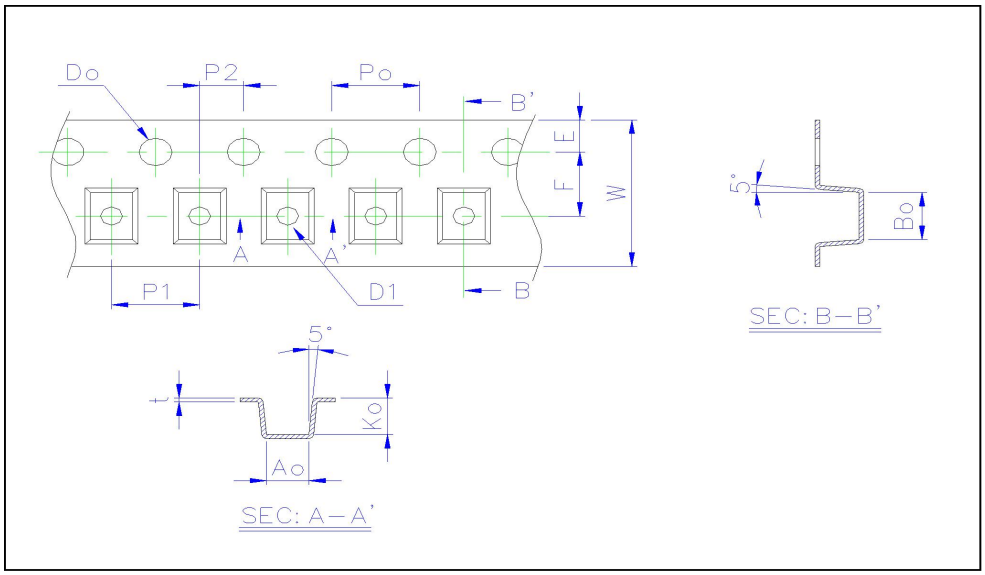
Preheating			Soldering		Peak	
Temp.		Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150°C	180°C	60 to 120s	230°C	25 to 35s	250°C	5s

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



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
3225	2.80±0.10	3.60±0.10	2.20±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