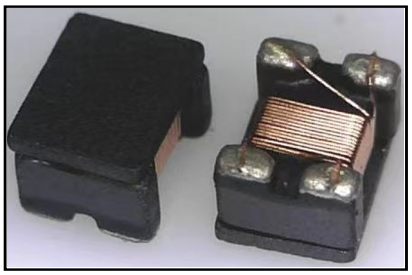
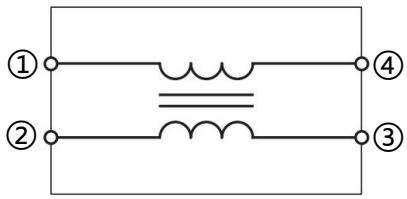
Desicription

- ◆ 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:3.2mm*2.5mm*2.5mm.
- ◆ Halogen free ,Lead free ,Reach and RoHs.
- ◆ Operating temperature : -40 to +125℃
- ◆ Storage temp. and humidity : -40 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
CMF3225WAC101HFR	**3225**	**1000/Tape&Reel**

Part Numbering

CMF	3225	W	A	C	101	H	F	R
A	B	C	D	E	F	G	H	I

A:ASIM common mode filter

B:Dimension

C:Wire wound

D:The internal serial number

E:Car level

F:Inductance

G:Tolerance +50%/-30%

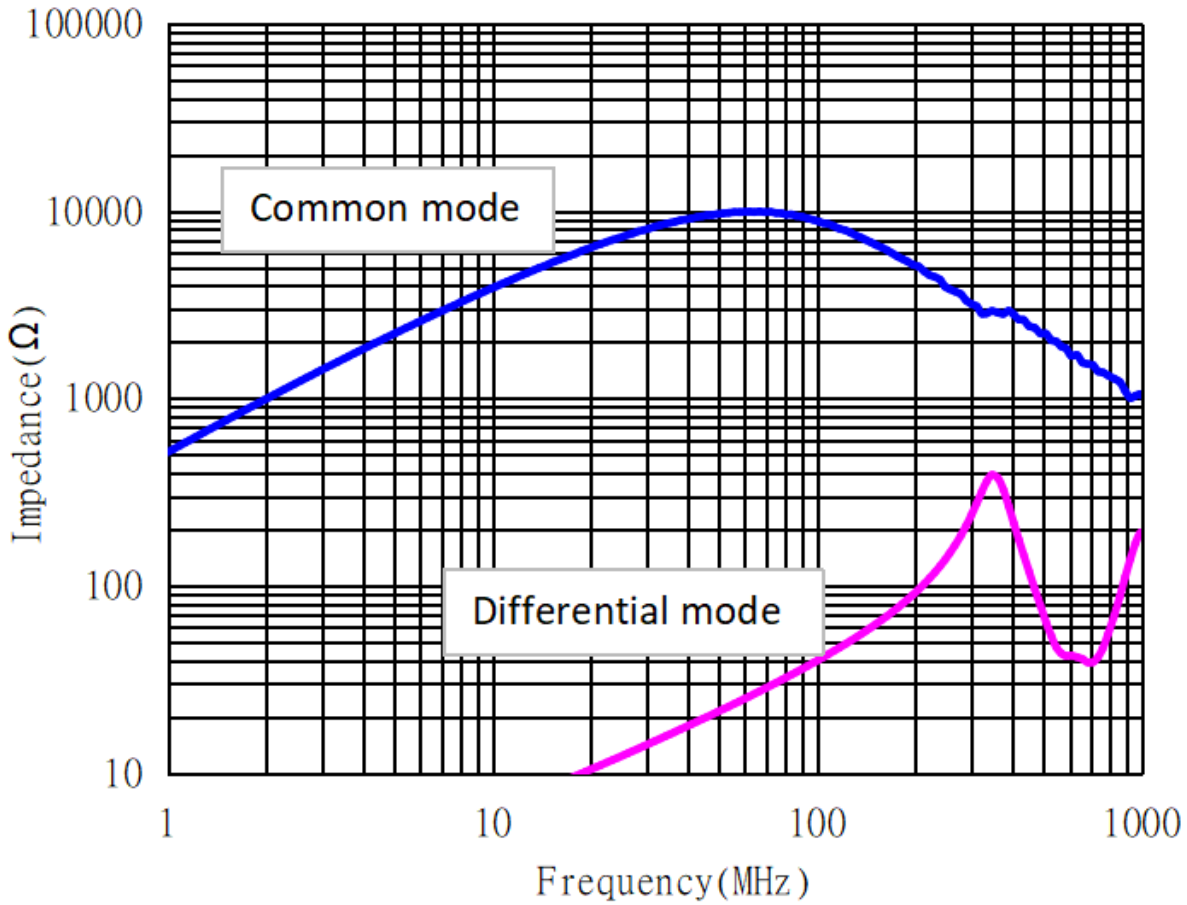
H:Internal series

I:Tape

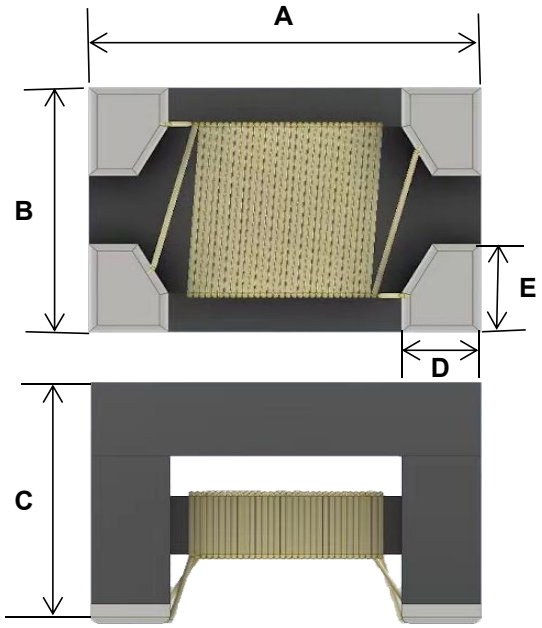
Specification

P/N	H(uH) Common Mode inductance @100KHz	DCR (Ω)	ID (mA)	Rated Voltage	Insulation Resistance
		MAX	MAX	Vdc	IR
				(V)Typical	(MΩ)Min
CMF3225WAC101HFR	100.0	1.5	150.0	80.0	10.0

Performance Curves

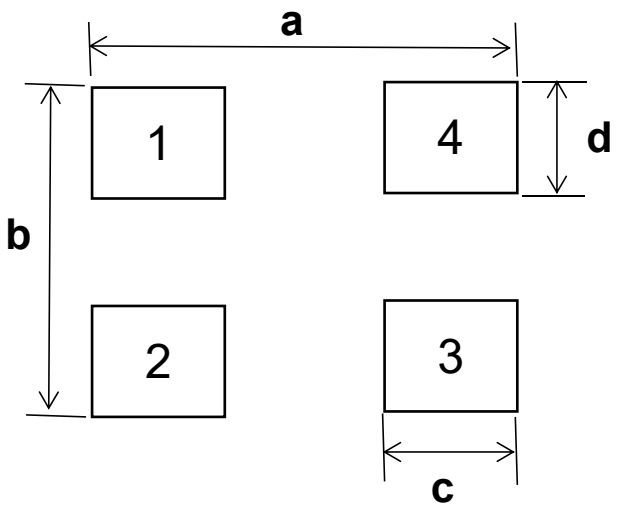


Dimension (mm)



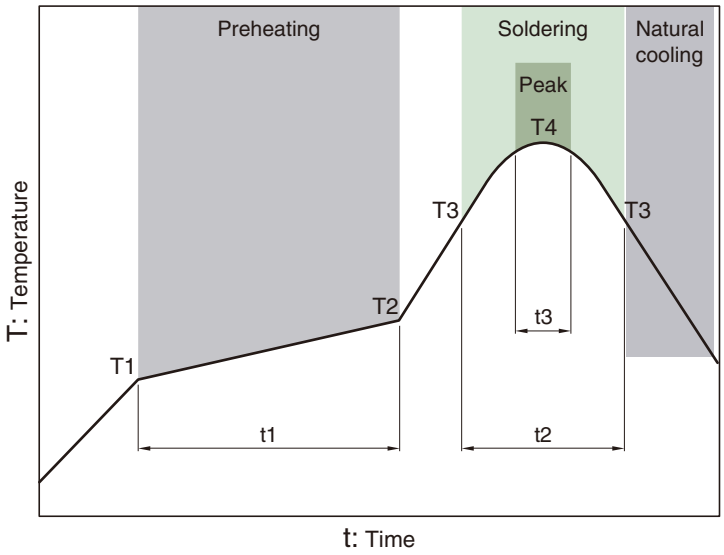
3225	Dimensions(mm)
A	3.2 ± 0.2
B	2.5 ± 0.2
C	2.5 Max.
D	0.8 typ
E	0.9 typ

Recommended Land Pattern (mm)



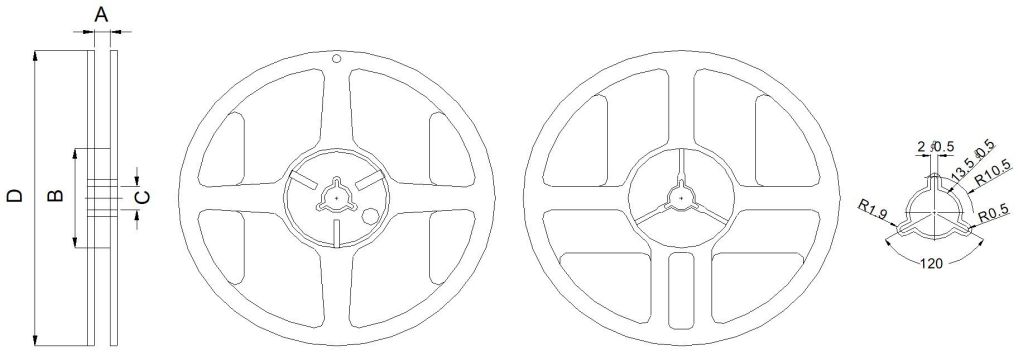
Symbol	Dimensions (mm)
a	3.7
b	2.55
c	0.9
d	0.9

Recommended Reflow Profile



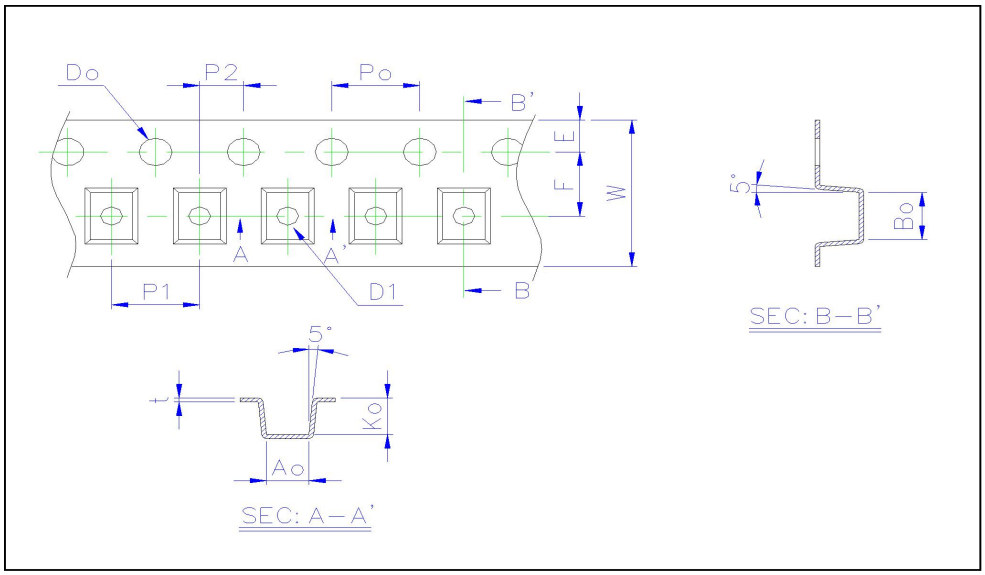
Preheating			Soldering		Peak	
Temp.		Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150°C	180°C	60 to 120s	230°C	25 to 35s	250°C	5s

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