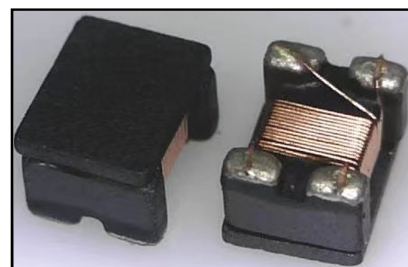


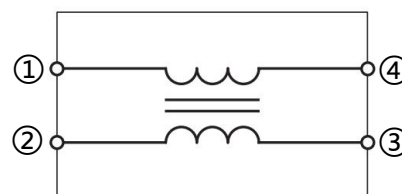
Desicription

- ◆ 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°C
- ◆ Storage temp. and humidity : -25 to +85°C ,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
CMF3225WA110HFR	3225	1000/Tape&Reel

Part Numbering

CMF	3225	W	A	110	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%

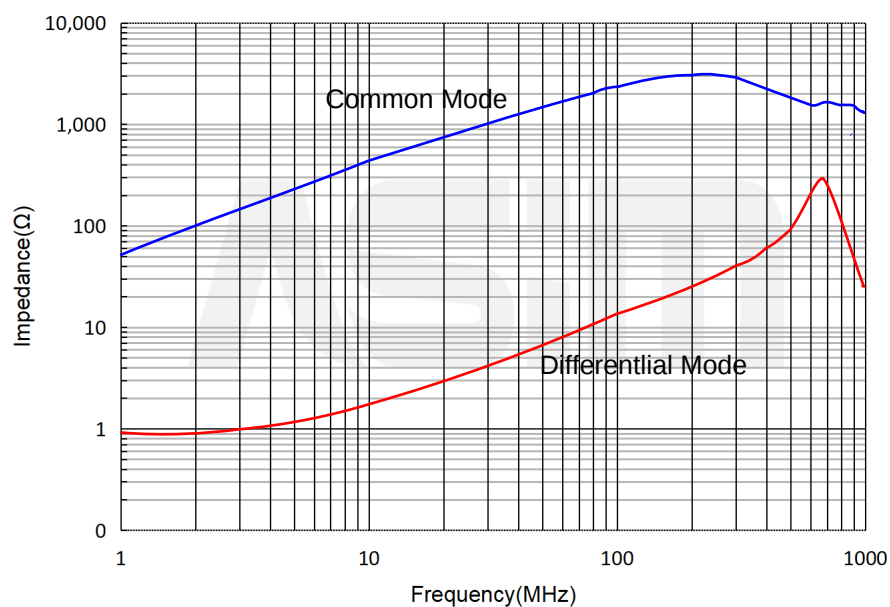
G:Internal series

H: Tape

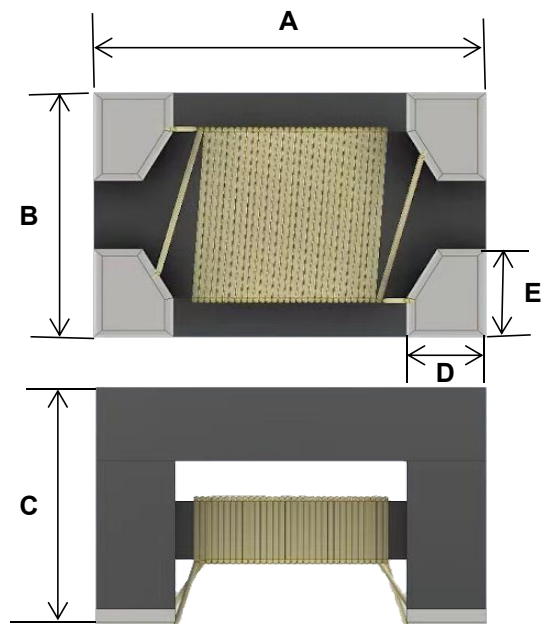
Specification

P/N	L (uH) Common Mode inductance @100KHz	DCR (Ω)	ID (mA)	Rated Voltage	Insulation Resistance	Z (Ω) Common Mode Impedance @10MHz
		MAX	MAX	Vdc	IR	300 (Min)
				(V)Typical	(MΩ)Min	
CMF3225WA110HFR	11.0	0.4	300	80	10	550 (Typ)

Performance Curves

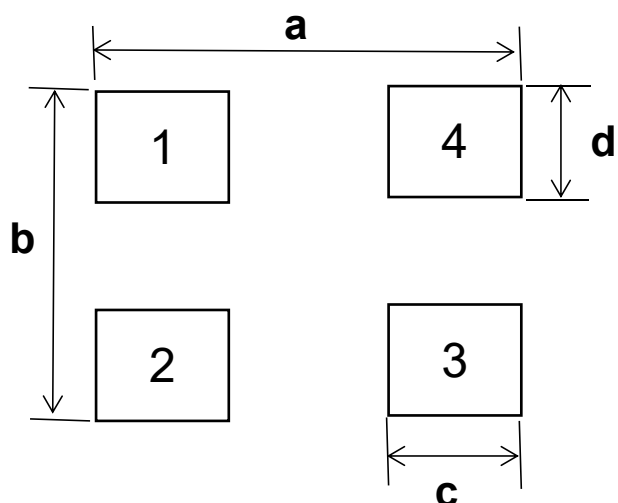


Dimension (mm)



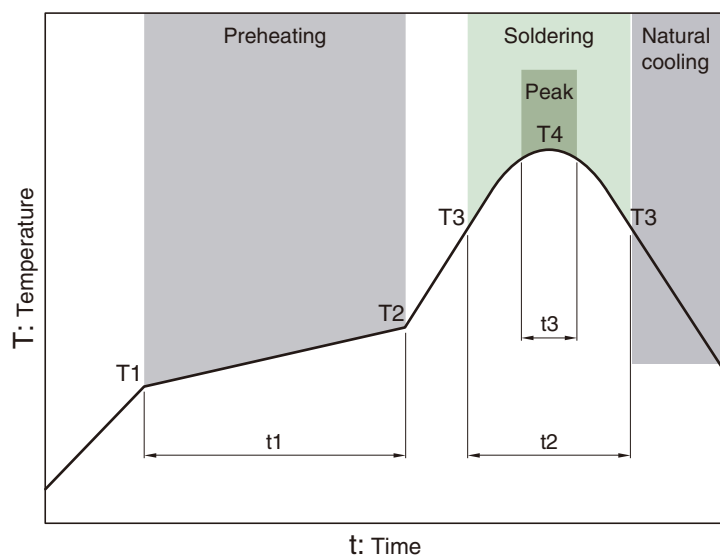
3225	Dimensions(mm)
A	3.2 ± 0.2
B	2.5 ± 0.2
C	2.5 Max.
D	0.55 ± 0.2
E	0.75 ± 0.2

Recommended Land Pattern (mm)



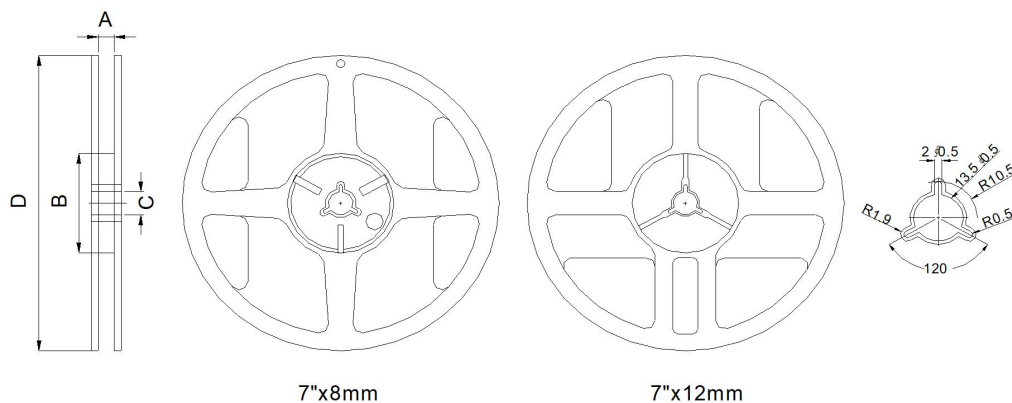
Symbol	Dimensions (mm)
a	3.7
b	2.8
c	0.9
d	0.9

Recommended Reflow Profile

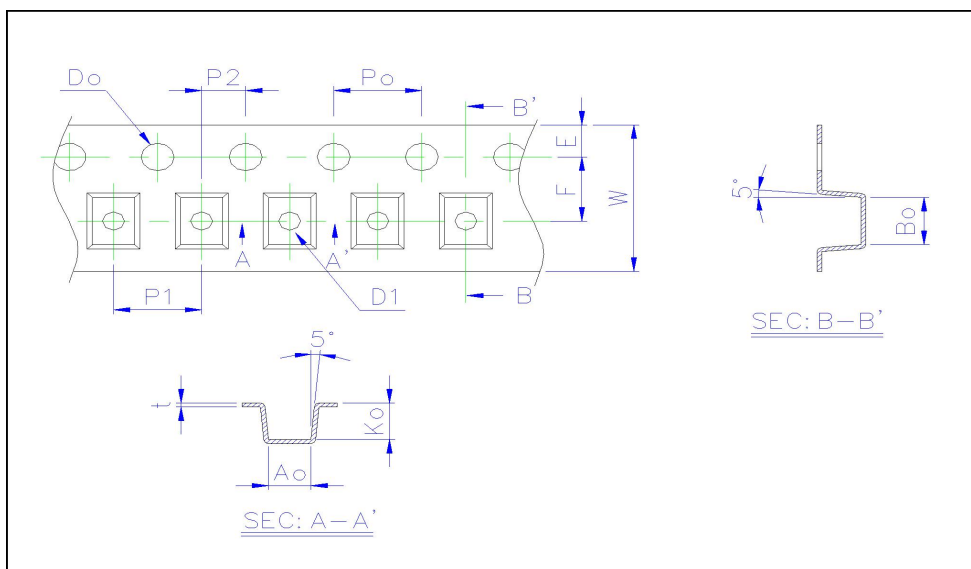


Preheating			Soldering		Peak	
Temp.	Time		Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150°C	180°C	60 to 120s	230°C	25 to 35s	250°C	5s

Reel Dimension&Tape Dimension (mm)



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