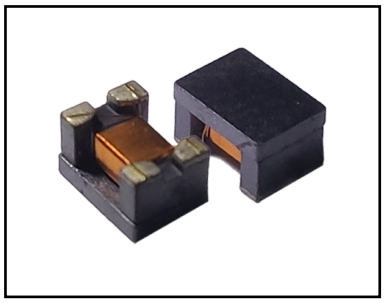
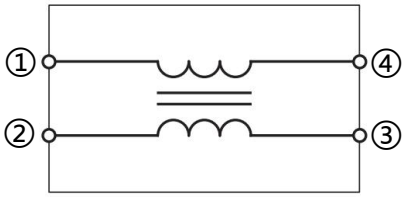
Desicription

- ◆ 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*2.0mm.
- ◆ Halogen free ,Lead free ,Reach and RoHs.
- ◆ Operating temperature : -40 to +125℃
- ◆ Storage temp. and humidity : 0 to +40℃ ,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
CMF3225WAC510HFR	**3225**	**1500/Tape&Reel**

Part Numbering

CMF	3225	W	A	C	510	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%

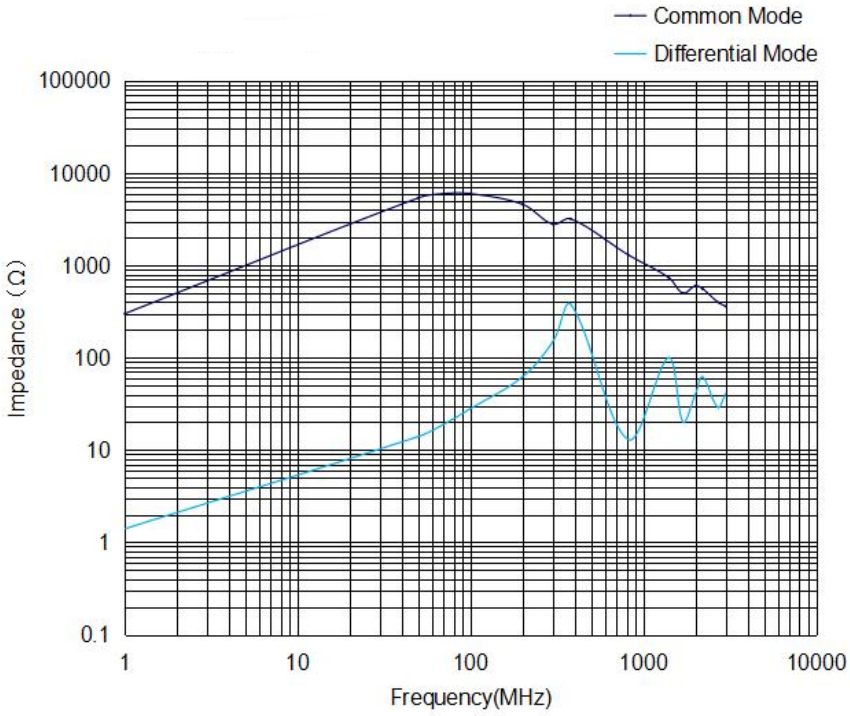
H:Internal series

I:Tape

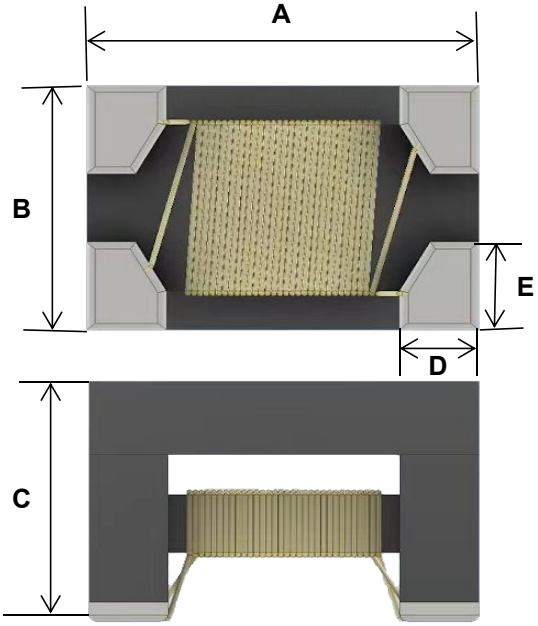
Specification

P/N	H(uH) Common Mode inductance @100KHz	DCR (Ω)	ID (mA)	Rated Voltage	Insulation Resistance	Withstanding Voltage
		MAX	MAX	Vdc	IR	Vdc
				(V)Typical	(MΩ)Min	(V)Typical
CMF3225WAC510HFR	51.0	0.7	200	80	10	-

Performance Curves

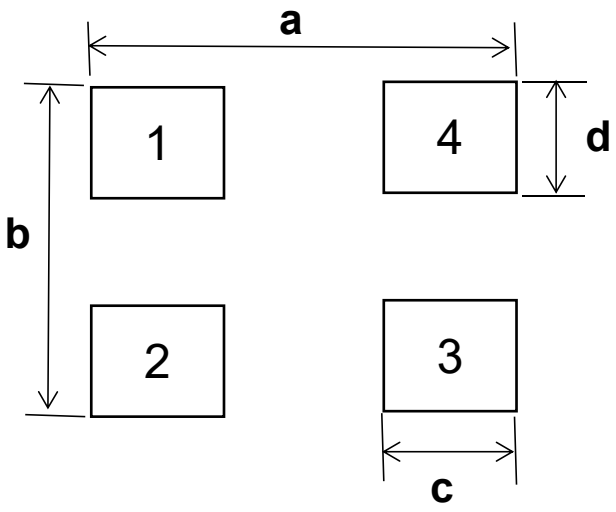


Dimension (mm)



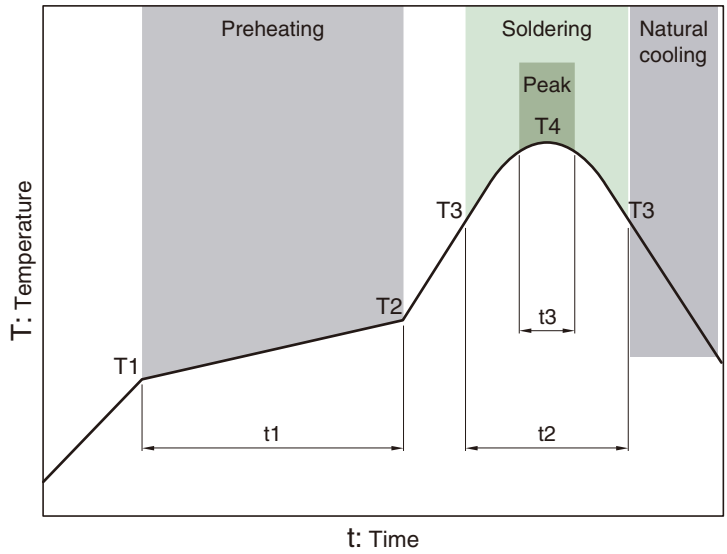
3225	Dimensions(mm)
A	3.2±0.2
B	2.5 ± 0.2
C	2.2 ± 0.2
D	0.55typ
E	0.75typ

Recommended Land Pattern (mm)



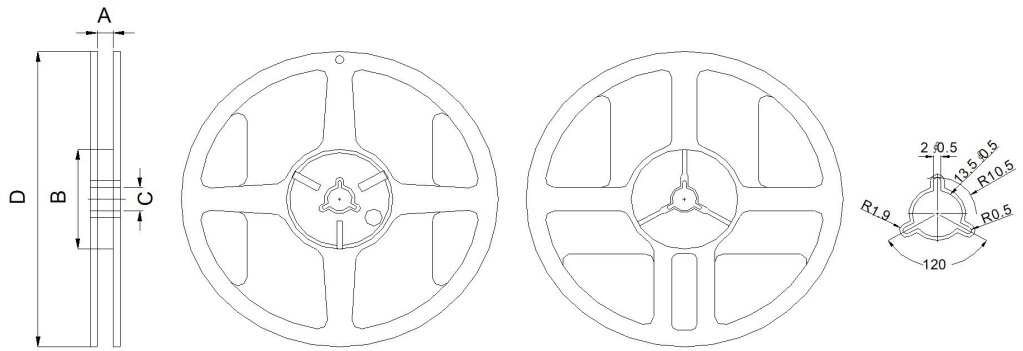
Symbol	Dimensions (mm)
a	3.7
b	2.55
c	0.9
d	0.9

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