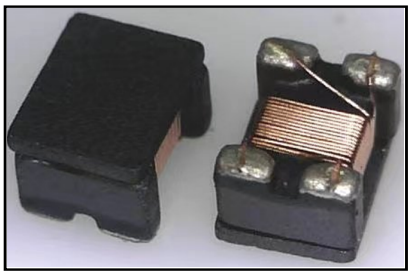
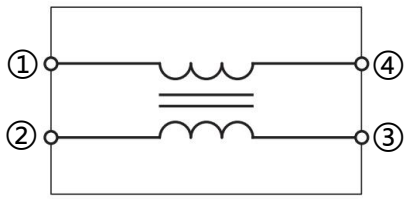
Desicription

- ◆ 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
CMF3225WA Series	**3225**	**1000/Tape&Reel**

Part Numbering

CMF	3225	W	A	XXX	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

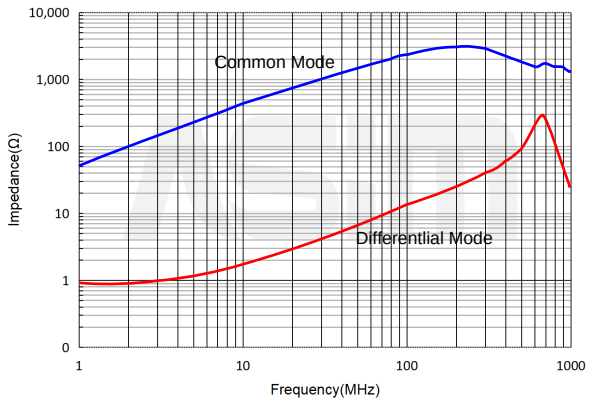
H: Tape

Specification

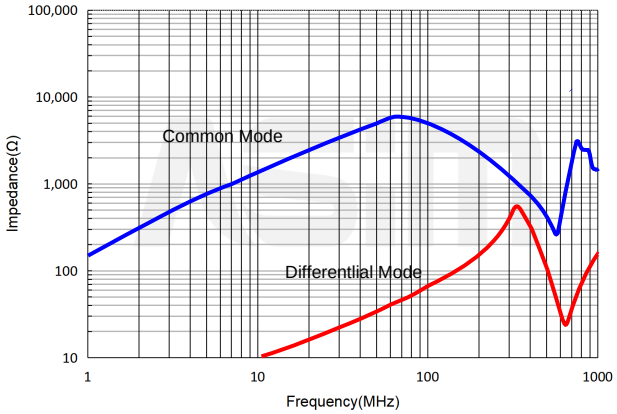
P/N	L(uH) Common Mode inductance @100KHz	DCR (Ω)	ID (mA)	Rated Voltage	Insulation Resistance	Z(Ω) Common Mode Impedance @10MHz	
		MAX	MAX	Vdc	IR		
				(V)Typical	(MΩ)Min	Min	Typ
CMF3225WA110HFR	11.0	0.4	300	80	10	300	550
CMF3225WA220HFR	22.0	0.5	250	80	10	500	1000
CMF3225WA510HFR	51.0	0.7	200	80	10	1000	2600
CMF3225WA101HFR	100.0	1.5	150	80	10	2200	5100
CMF3225WA201HFR	200.0	4.8	70	80	10	10000	15000

Performance Curves

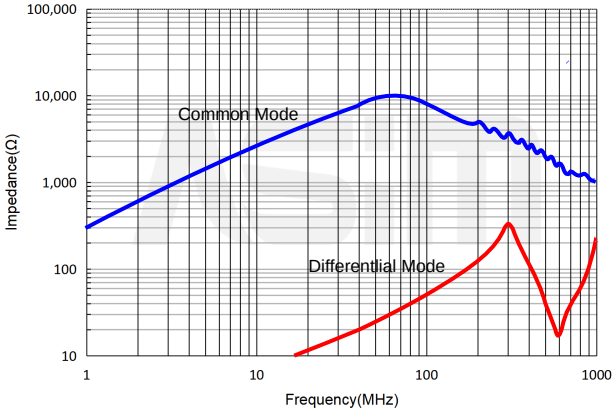
CMF3225WA110HFR



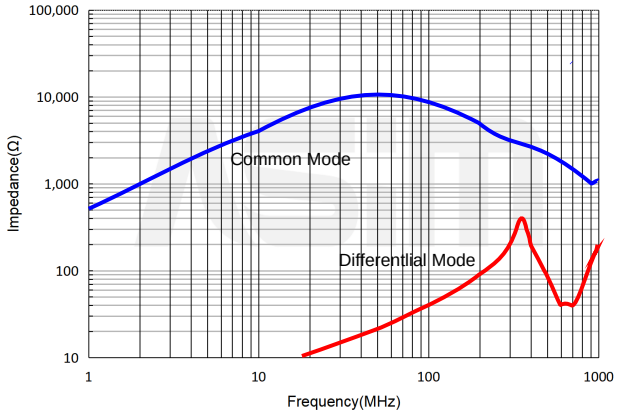
CMF3225WA220HFR



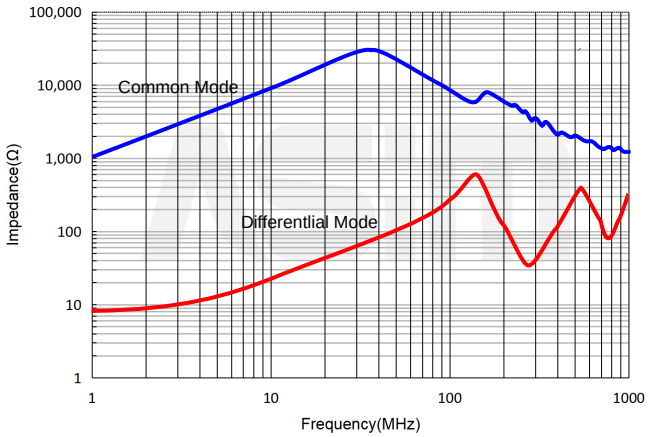
CMF3225WA510HFR



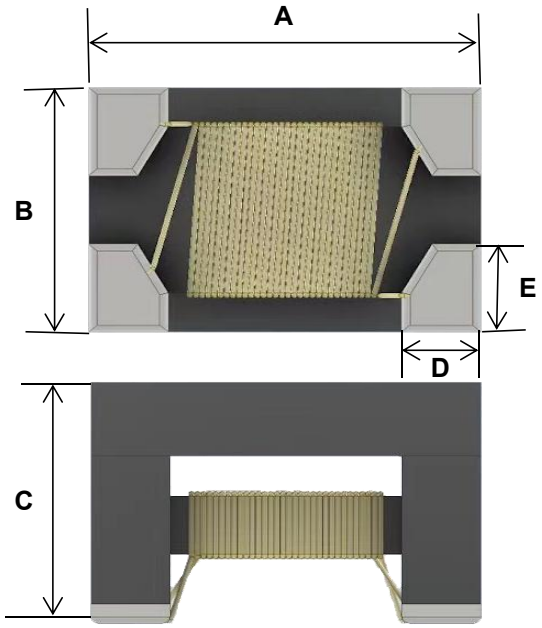
CMF3225WA101HFR



CMF3225WA201HFR

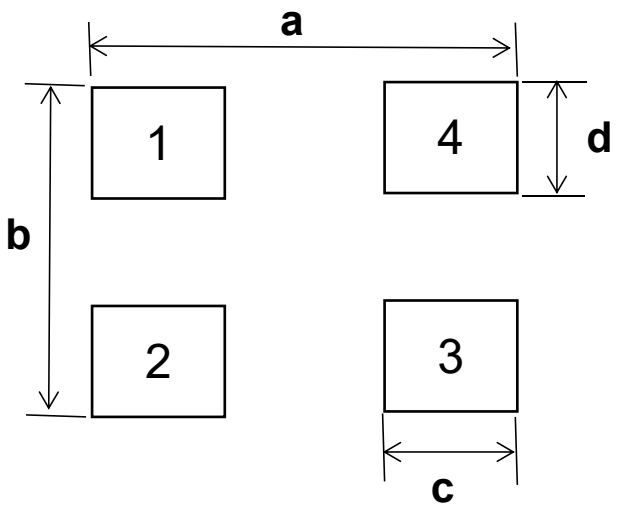


Dimension (mm)



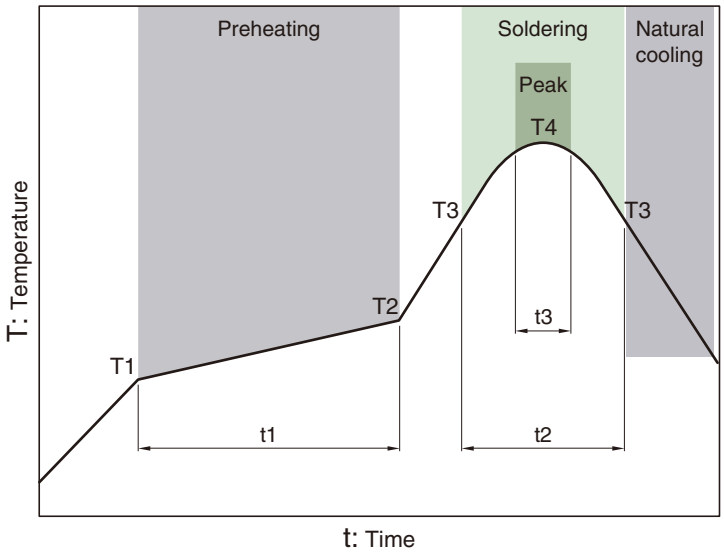
3225	Dimensions(mm)
A	3.2 ± 0.2
B	2.5 ± 0.2
C	2.5 Max.
D	0.55 ± 0.2
E	0.75± 0.2

Recommended Land Pattern (mm)



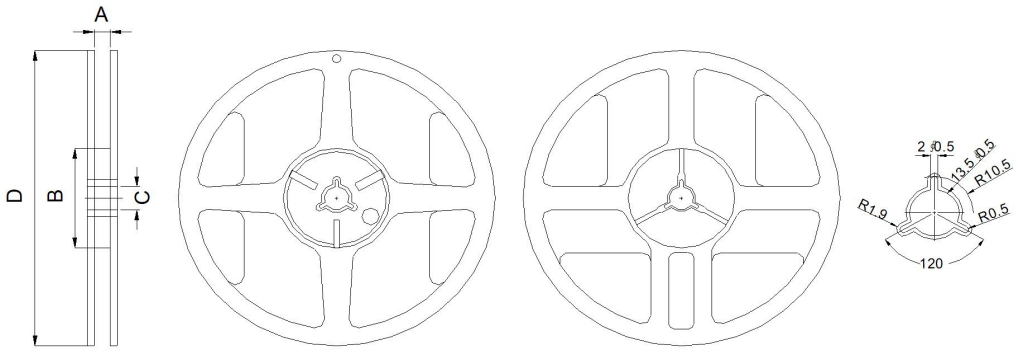
Symbol	Dimensions (mm)
a	3.7
b	2.8
c	0.9
d	0.9

Recommended Reflow Profile



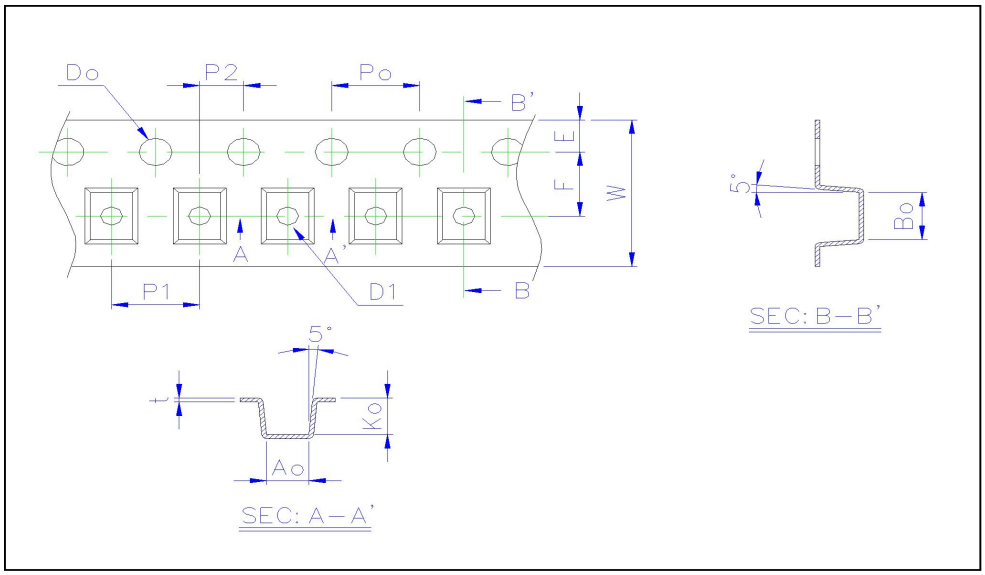
Preheating			Soldering		Peak	
Temp.		Time	Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150°C	180°C	60 to 120s	230°C	25 to 35s	250°C	5s

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