

## CPFC8D55/MS

### Outline

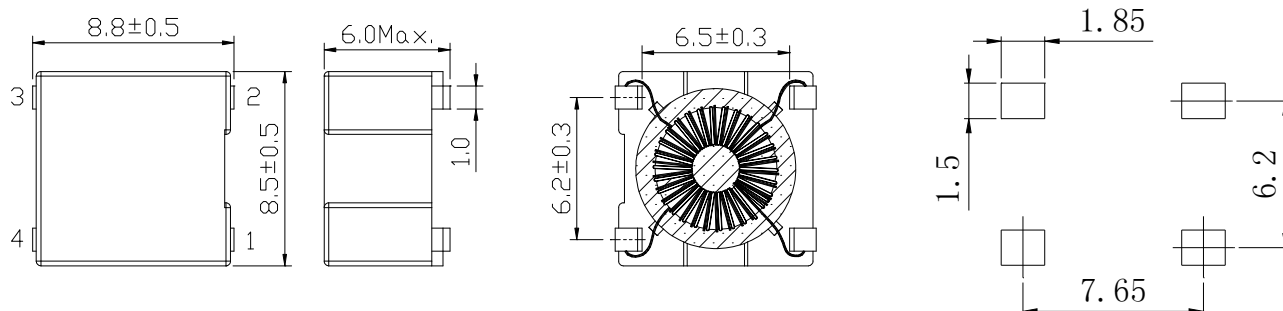
It is a signal common mode choke coils, widely used in LAN & communication devices.

### ■ Features

- 1CT:1CT turn ratio Single CMC Coils.
- Reduces radiated EMI emissions.
- Suppress common mode noise for EMI reduction



### Mechanical Dimension & Recommended General PCB Layout.



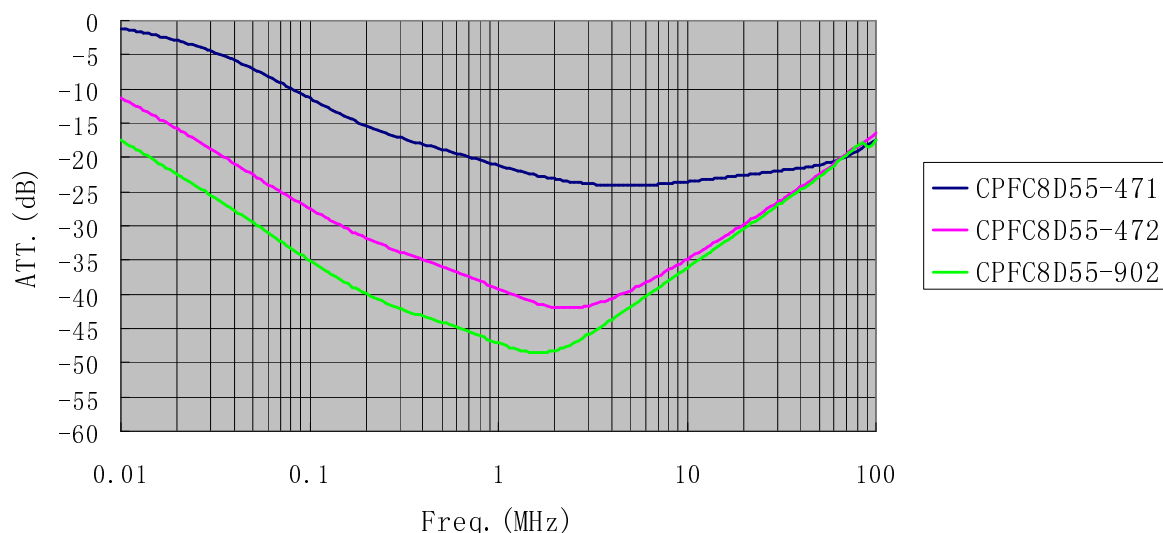
Unspecified Tolerance is 0.25/ [±0.01]

Unit: mm / [Inches]

### Electrical Specifications @25 °C

SPEC	INDUCTANCE	COMMON MODE ATTENUATION			D. C. R (1-2)	※ RATED CURRENT	HI-POT (1, 4) - (2, 3)
	100kHz	100kHz	1MHz	10MHz	(3+4) tie		0.5mA, 2 Second
CPFC8D55-471	0.47mH (Typ.)	10dB(Typ.)	20dB(Typ.)	24dB(Typ.)	0.13Ω Max.	1.6A Max.	AC 500Vrms
CPFC8D55-472	4.7mH (Typ.)	28dB(Typ.)	40dB(Typ.)	35dB(Typ.)	1.0Ω Max.	0.4A Max.	AC 500Vrms
CPFC8D55-902	9.0mH (Typ.)	35dB(Typ.)	45dB(Typ.)	35dB(Typ.)	1.6Ω Max.	0.3A Max.	AC 500Vrms

### CPFC8D55/MS CMC ATTENUATION



## CSFC64

### Outline

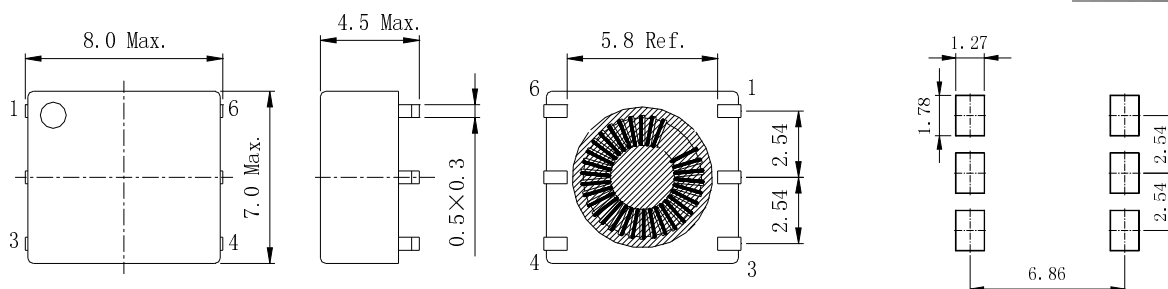
It is a signal common mode choke coils, widely used in LAN & communication devices.

### ■ Features

- 1CT:1CT turn ratio Single CMC Coils.
- Reduces radiated EMI emissions.
- Suppress common mode noise for EMI reduction



### Mechanical Dimension & Recommended General PCB Layout.



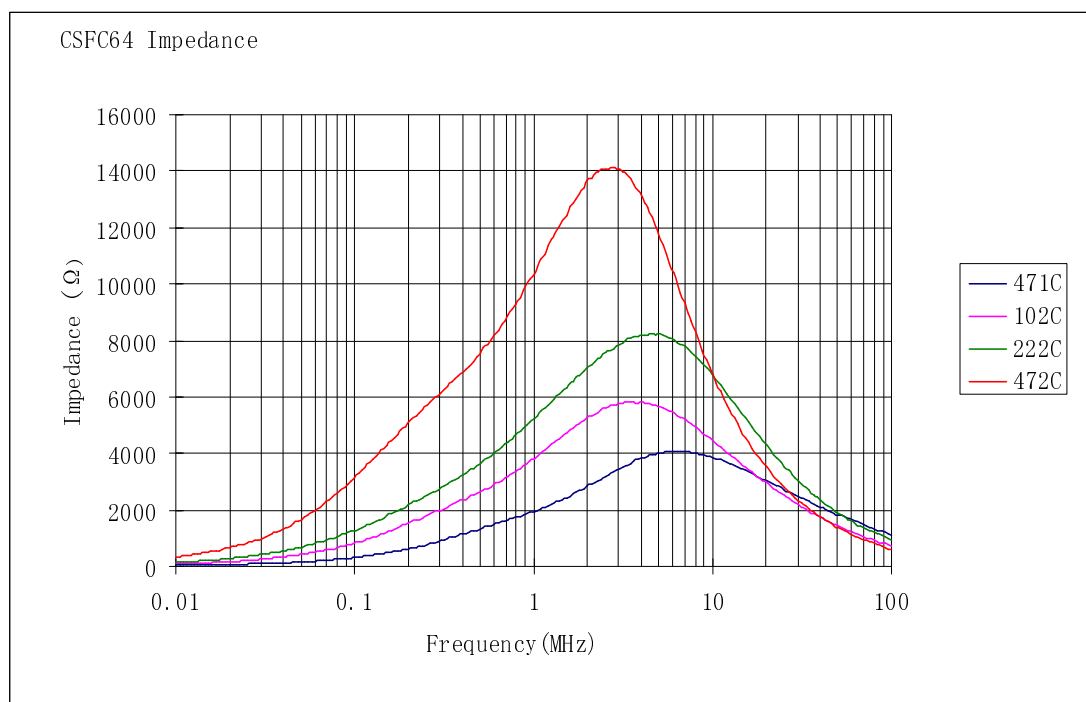
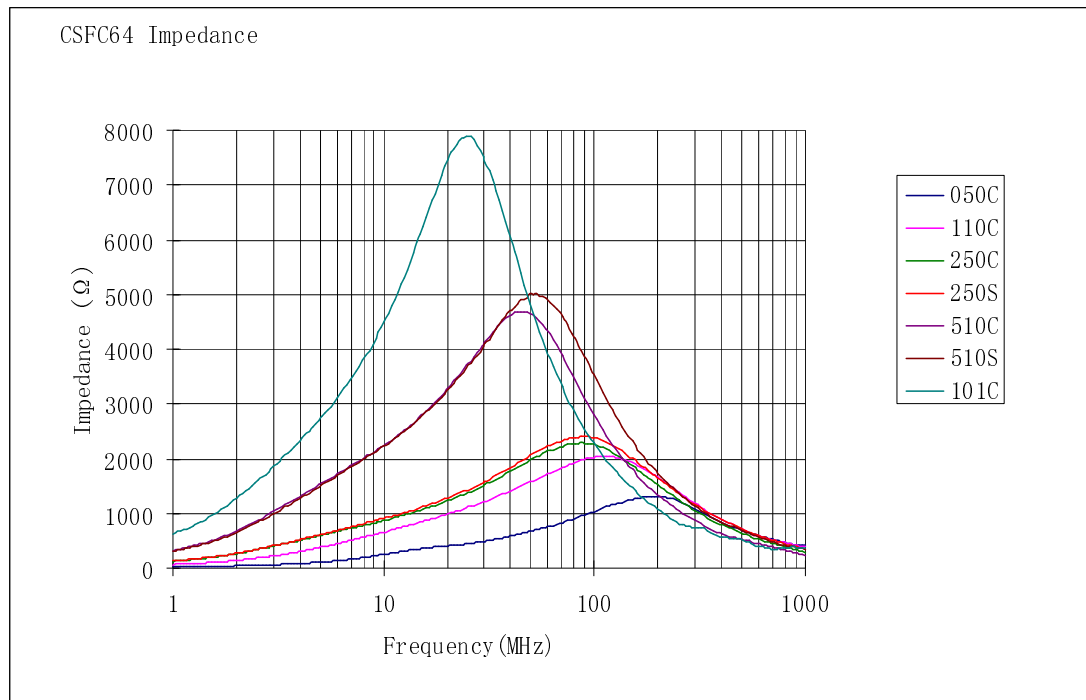
Unspecified Tolerance is 0.25/ [±0.01]

Unit: mm / [Inches]

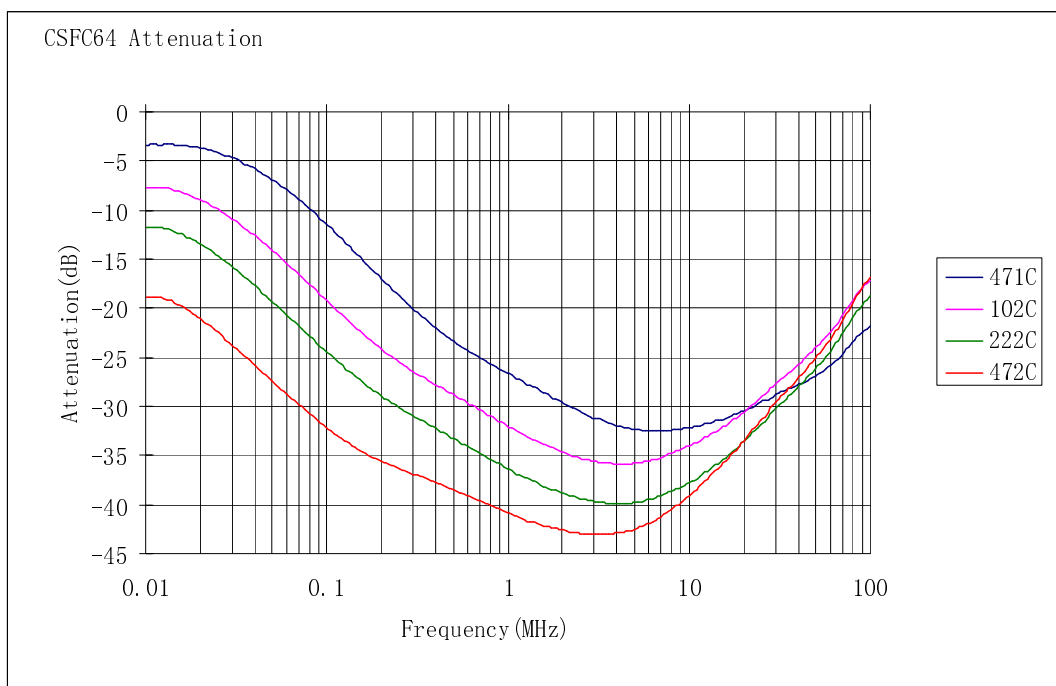
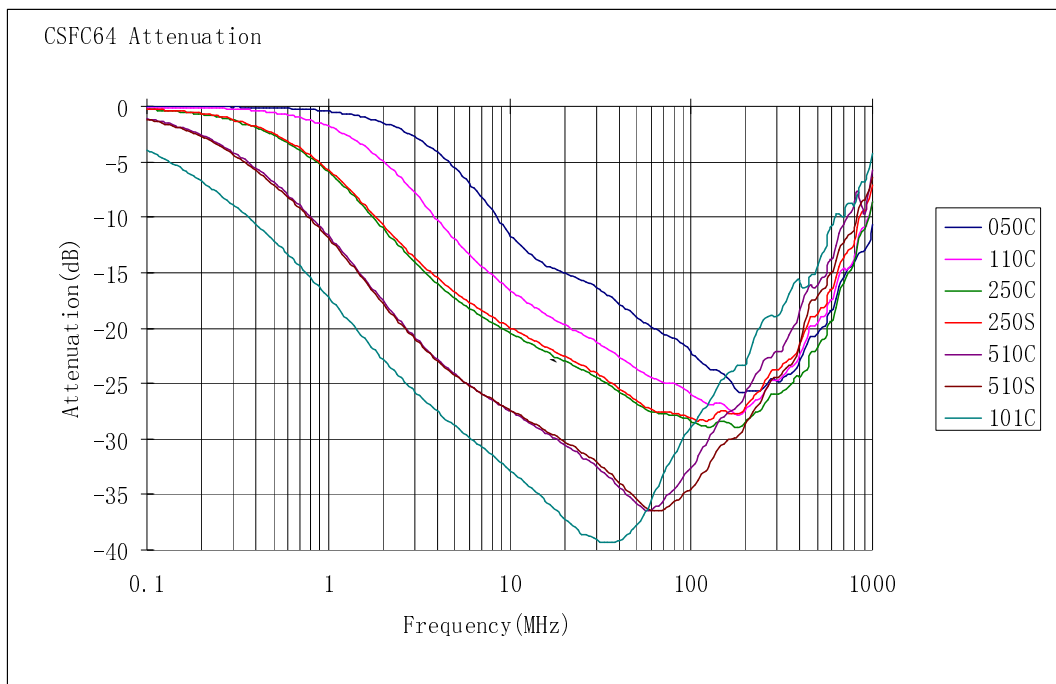
### Electrical Specifications @25 °C

Part No.	Stamp	Inductance(uH) (1-6) or (2-4) 100kHz,0.1V	Ls(nH)Typ. 1-6(3+4 short) 100kHz,0.1V	I <sub>R</sub> (mA) 1-2 (3+4short)	D.C.R (m Ω)Typ.	Hipot DC 2S
CSFC64-050C	050C	5	50	900	100	250
CSFC64-110C	110C	11	50	700	120	250
CSFC64-250C	250C	25	150	700	130	250
CSFC64-250S	250S	25	1500	700	130	250
CSFC64-510C	510C	51	200	600	160	250
CSFC64-510S	510S	51	2000	600	160	250
CSFC64-101C	101C	100	200	450	250	250
CSFC64-471C	471C	470	200	500	200	750
CSFC64-102C	102C	1000	250	450	250	750
CSFC64-222C	222C	2200	250	400	350	750
CSFC64-472C	472C	4700	300	200	850	750

## IMPEDANCE CHARACTERISTICS (FOR REFERENCE)



## ATTENUATION CHARACTERISTICS (FOR REFERENCE)



## CSFC86

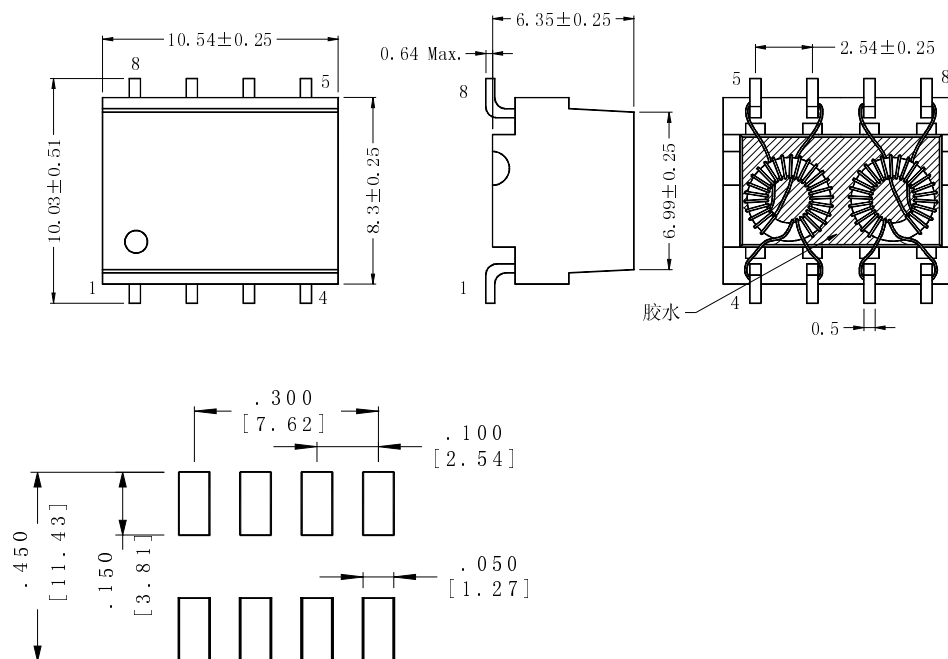
### Outline

It is a signal common mode choke coils, widely used in LAN & communication devices.

### ■ Features

- 1CT:1CT turn ratio Dual CMC Coils.
- Reduces radiated EMI emissions.
- Suppress common mode noise for EMI reduction.

### Mechanical Dimension & Recommended General PCB Layout.



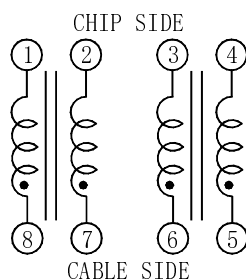
Unspecified Tolerance is 0.25/ [±0.01]

Unit: mm / [Inches]

### Electrical Specifications @25 °C

ITEM	SPECIFICATION	CONDITION
Turns Ratio & Polarity (8-1):(7-2)	1:1±1%	
Turns Ratio & Polarity (6-3):(5-4)	1:1±1%	
Zp (COMMON MODE)	600Ω MIN.	10MHz~100MHz
Zp (COMMON MODE)	1500Ω MIN.	50MHz~100MHz

### Schematic:



## CSLF1205

### Outline

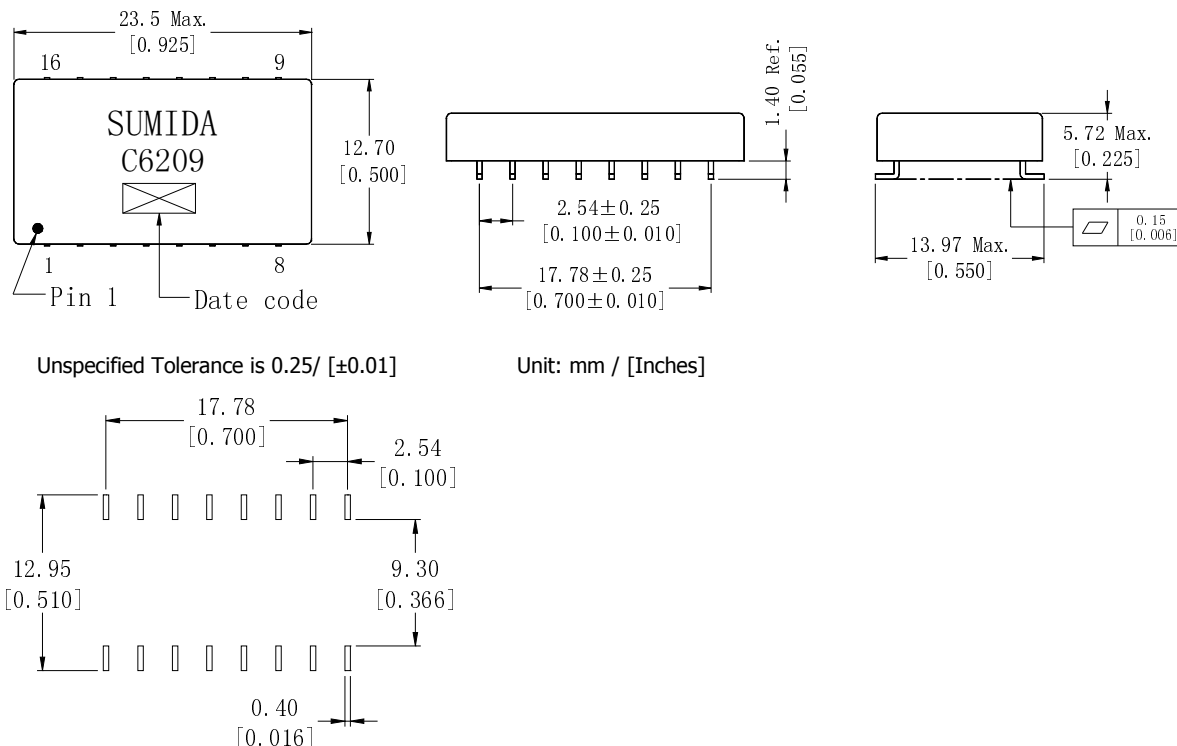
It is a signal common mode choke coils, widely used in LAN & communication devices.

### Features

- 1CT:1CT turn ratio Quad CMC Coils.
- Reduces radiated EMI emissions.
- Suppress common mode noise for EMI reduction



### Mechanical Dimension & Recommended General PCB Layout.



### Electrical Specifications @25 °C--Operating Temperature 0 °C to 70 °C

PARAMETERS	SPECIFICATION	MEASURING CONDITIONS
INDUCTANCE (ANY WINDING)	407uH ± 50%	100kHz, 0.1V
D. C. R. (ANY WINDING)	0.2 Ω MAX.	
TURNS RATIO (WINDING TO WINDING)	1:1 ± 2%	100kHz, 0.1V
RATED CURRENT	500mA	
HIPOT (WINDING TO WINDING)	500V DC	0.5mA, 2Sec

### Schematic:

