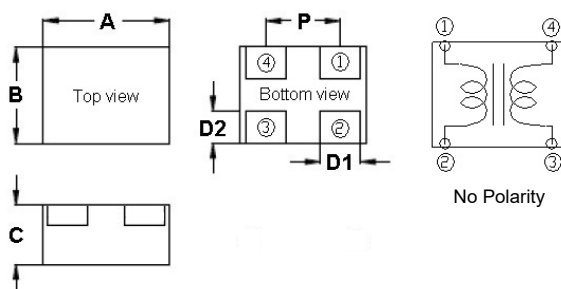


1. Features and Application

- MCF Series are common mode filter designed to suppress common mode noise for high speed differential data lines, such as USB, LVDS, DVI, HDMI, and MIPI.
- These differential interfaces can be used in personal computers, notebooks, mobile phone, LED, TVs, Blu-ray/DVD players, personal handheld equipments, etc.
- Operating Temperature: -25~+85°C (Including self-temperature rise)



2. Dimensions



Chip Size						
Size	A	B	C	P	D1	D2
0806	0.85±0.05	0.65±0.05	0.40 ±0.05	0.50±0.10	0.27±0.05	0.20±0.10

Units: mm

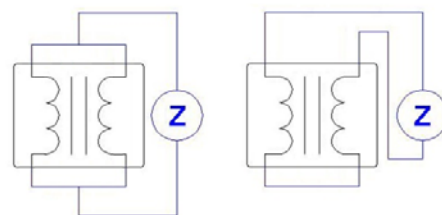
3. Part Numbering

MCF	0806	YSF2	-	120	T	01
A	B	C		D	E	F

- A: Series
 B: Dimension
 C: Material Lead Free Code
 D: Impedance Common Mode Impedance 120=12Ω
 E: Packaging T=Taping and Reel
 F: Rated Current 01=100mA

Common mode

Differential mode

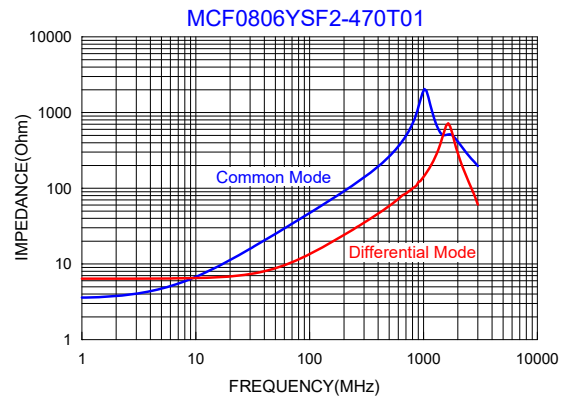
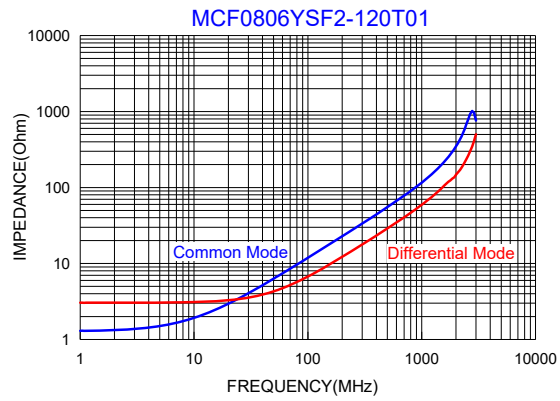


4. Specification

Tai-Tech Part Number	Common Mode Impedance (Ω)	Test Frequency (MHz)	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance (MΩ) min.	Cut-off Frequency (GHz) min.	DC Resistance (Ω) max.	Rated Current (mA) max.
MCF0806YSF2-120T01	12±25%	100	5	12.5	100	10	1.7	100
MCF0806YSF2-470T01	47±25%	100	5	12.5	100	4	3.8	100

- Rated current: based on temperature rise test
- All test data referenced to 25°C ambient.

Impedance-Frequency Characteristics



Common Mode Filter

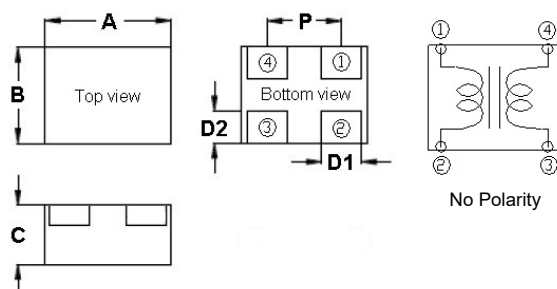
MCF0806YGF2-900T01

1. Features and Application

- MCF Series are common mode filter designed to suppress common mode noise for high speed differential data lines, such as USB, LVDS, DVI, HDMI, and MIPI.
- These differential interfaces can be used in personal computers, note books, mobile phone, LED, TVs, Blu-ray/DVD players, personal handheld equipments, etc.
- Operating Temperature: -25~+85°C (Including self-temperature rise)



2. Dimensions



Chip Size						
Size	A	B	C	P	D1	D2
0806	0.85±0.05	0.65±0.05	0.40 ±0.05	0.50±0.10	0.27±0.05	0.20±0.10

Units: mm

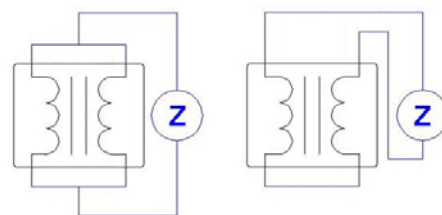
3. Part Numbering

MCF	0806	YGF2	-	900	T	01
A	B	C		D	E	F

- A: Series
 B: Dimension
 C: Material Lead Free Code
 D: Impedance Common Mode Impedance 900=90Ω
 E: Packaging T=Taping and Reel
 F: Rated Current 01=100mA

Common mode

Differential mode

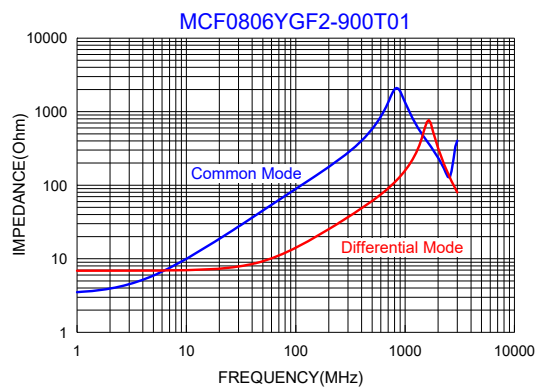


4. Specification

Tai-Tech Part Number	Common Mode Impedance (Ω)	Test Frequency (MHz)	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance (MΩ) min.	Cut-off Frequency (GHz) min.	DC Resistance (Ω) max.	Rated Current (mA) max.
MCF0806YGF2-900T01	90±25%	100	5	12.5	100	2	4.0	100

- Rated current: based on temperature rise test
- All test data referenced to 25°C ambient.

■ Impedance-Frequency Characteristics



■ Insertion Loss vs Frequency Characteristics

