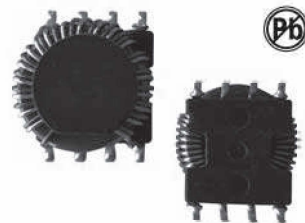


# SMD COMMON MODE CHOKES FASCM1310 SERIES



## FEATURES:

High impedance for common mode noise and low impedance for differential mode signal.  
Large rated current available.  
Wide band or sharp type impedance curve available.

## APPLICATIONS:

Prevention of common mode noise on signal Lines and power lines for computer related or electronic products.

## GENERAL SPECIFICATIONS:

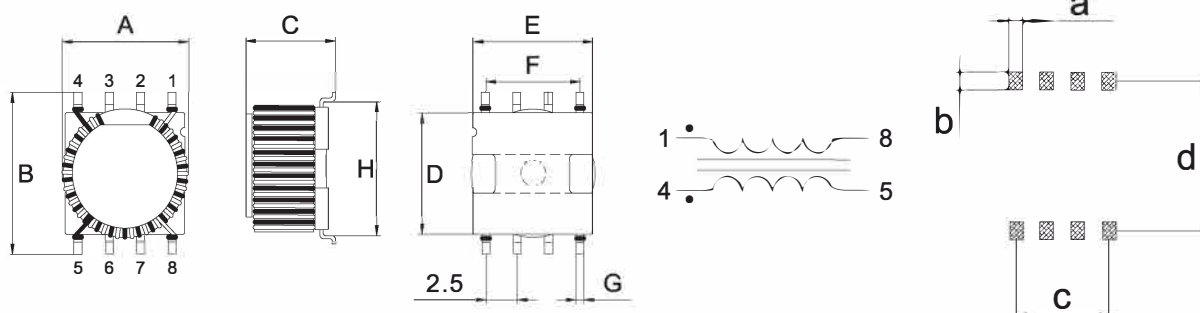
Rated current 2.0A to 3.5A.  
Impedance: 364Ω to 1567Ω .  
Turns ratio: N1:N2=1:1±2%.  
Impedance tolerance: Min at 20°C.  
Operating temperature: -25°C to +105°C  
Storage Temp: -0°C to +40°C  
Resistance to Soldering Heat: 260°C for 10 sec.  
Temperature Rise: 40°C Typ. at Rated Current.  
All parts meet ROHS compliance.

## ELECTRICAL CHARACTERISTICS

Part Number	Impedance [Ω]Min	Test Frequency	Rated current [mA]	D.C. Resistor [mΩ] Max at 20°C	Hi-Pot [1-8 to 4-5]
FASCM1310-364R	364	100MHz	3500	50	AC 250V/1mA/1Second
FASCM1310-400R	330	100MHz	2500	50	AC 250V/1mA/1Second
FASCM1310-412R	325	100MHz	4500	50	AC 250V/1mA/1Second
FASCM1310-1K5R	1492	1MHz	2500	80	AC 250V/1mA/1Second
FASCM1310-1K6R	1567	250KHz	2000	91	AC 250V/1mA/1Second

## TECHNICAL INFORMATION

## ELECTRICAL SCHEMATIC & PAD LAYOUT



### DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	H	a	b	c	d
FASCM1310	13.0 Max	12.5±0.5	8.50 Max	9.5±0.3	9.7±0.3	7.5±0.3	0.65 REF	10.9 REF	1.10 REF	1.40 REF	7.50 REF	11.7 REF

# SMD COMMON MODE CHOKES FASCM9085 SERIES



## FEATURES:

Wire wound constructure common mode choke with best EMI suppression effect high impedance but very high rated current and low DCR

## APPLICATIONS:

Preventive measure against common mode noise radiation emissions from power line or else Best for high current circuit such as car, wireless charging and power device design.

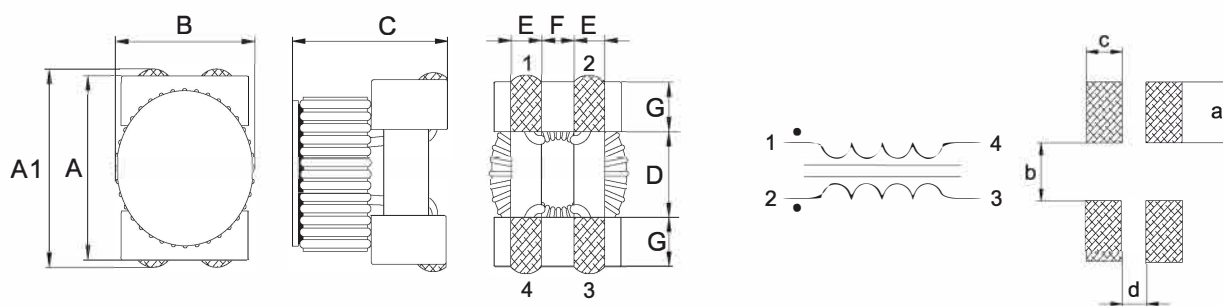
## GENERAL SPECIFICATIONS:

Rated current 0.25A to 1.4A.  
Inductance: 1.0mH to 1.6mH.  
Turns ratio: N1:N2=1:1±2%.  
Inductance tolerance: ±40% at 20°C  
Operating temperature: -25°C to +125°C  
Storage Temp: -0 to +40°C  
Resistance to Soldering Heat: 260°C for 10 sec.  
Temperature Rise: 40°C Typ. at Rated Current.  
All parts meet ROHS compliance.

## ELECTRICAL CHARACTERISTICS

Part Number	Inductance [uH] ± 40%	Test Frequency	Rated current [mA]	D.C. Resistor [mΩ] Max at 20°C
FASCM9085-102	1000	100KHz/250mV	2500	100
FASCM9085-132	1300	100KHz/250mV	2400	115
FASCM9085-162	1600	100KHz/250mV	2300	130

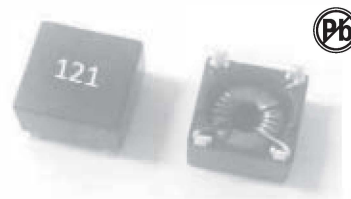
## TECHNICAL INFORMATION      ELECTRICAL SCHEMATIC & PAD LAYOUT



### DIMENSIONS:MM

Part number	A	A1	B	C	D	E	F	G	a	b	c	d
FASCM9085	9.0±0.5	9.5±0.6	9.2 Max	9.5±0.3	5.7 REF	1.5 REF	2.0 REF	1.7 REF	3.0 REF	5.0 REF	2.2 REF	1.8 REF

# SMD COMMON MODE CHOKES FASCM0805 SERIES



## FEATURES:

High rated currents, reduced components height  
Wire wound structure  
common mode choke with best EMI suppression effect  
high impedance

## APPLICATIONS:

Preventive measure against common mode noise radiation emissions from power line or else Best for high current circuit such as car, wireless charging and power device design.

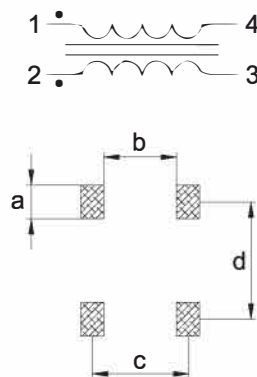
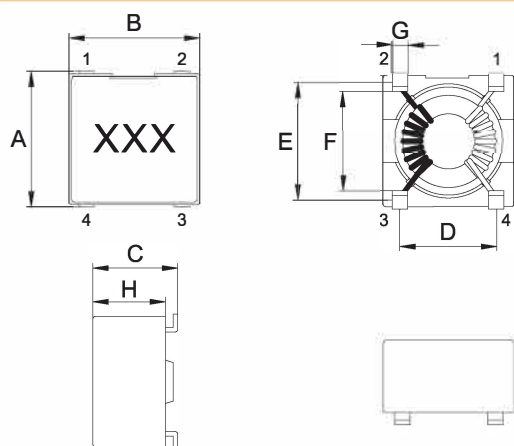
## GENERAL SPECIFICATIONS:

Rated current 0.25A to 1.4A.  
Inductance: 0.12mH to 5.0mH.  
Turns ratio: N1:N2=1:1 ± 2%.  
Inductance tolerance: ± 40% at 20°C.  
Operating temperature: -25°C to +105°C.  
Storage Temp: -0°C to +40°C.  
Resistance to Soldering Heat: 260°C for 10 sec.  
Temperature Rise: 45°C Typ. at Rated Current.  
All parts meet RO HS compliance.

## ELECTRICAL CHARACTERISTICS

Part Number	Impedance [Ω]Min	Inductance [μH] ± 40% 100KHz/100mV	Rated current [A]	D.C. Resistor [mΩ] Max at 20°C	Test Frequency
FASCM0805-121	200	120	1.40	25	10~200MHz
FASCM0805-251	400	250	1.25	30	5~100MHz
FASCM0805-501	800	500	0.90	60	2~50MHz
FASCM0805-102	1400	1000	0.50	180	1~40MHz
FASCM0805-202	2000	2000	0.45	250	0.5~15MHz
FASCM0805-302	3000	3000	0.40	300	0.5~10MHz
FASCM0805-402	4000	4000	0.30	580	0.5~5MHz
FASCM0805-502	5000	5000	0.25	630	0.5~3MHz

## TECHNICAL INFORMATION      ELECTRICAL SCHEMATIC & PAD LAYOUT



### DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	H	a	b	c	d
FASCM0805	8.8±0.5	8.5±0.5	6.0 Max	6.22±0.3	7.62±0.3	6.45 REF	1.00 REF	4.7 REF	1.50 REF	2.20 REF	6.22 REF	7.62 REF

# SMD COMMON MODE CHOKES FASCM1006C SERIES



## FEATURES:

High rated currents, reduced components height  
Wire wound constructive common mode choke with best EMI suppression effect  
high impedance

## APPLICATIONS:

Preventive measure against common mode noise radiation emissions from power line or else Best for high current circuit such as car, wireless charging and power device design.  
Industrial applications

## GENERAL SPECIFICATIONS:

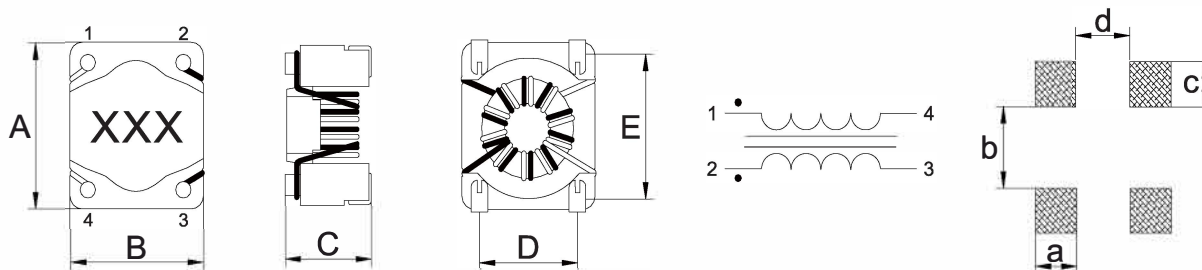
Rated current 0.25A to 1.4A.  
Inductance: 0.12mH to 5.0mH.  
Turns ratio: N1:N2=1:1±2%.  
Inductance tolerance: ±40% at 20°C.  
Operating temperature: -25°C to +125°C.  
Storage Temp: -0°C to +40°C.  
Resistance to Soldering Heat: 260°C for 10 sec.  
Temperature Rise: 40°C Typ. at Rated Current.  
All parts meet RO HS compliance.

## ELECTRICAL CHARACTERISTICS

Part Number	Impedance [Ω]Min	Inductance [μH] ±40% 100KHz/100mV	Rated current [A]	D.C. Resistor [mΩ] Max at 20°C	Test Frequency
FASCM1006C-121	200	120	1.40	25	10~200MHz
FASCM1006C-251	400	250	1.25	30	5~100MHz
FASCM1006C-501	800	500	0.90	60	2~50MHz
FASCM1006C-102	1400	1000	0.50	180	1~40MHz
FASCM1006C-202	2000	2000	0.45	250	0.5~15MHz
FASCM1006C-302	3000	3000	0.40	300	0.5~10MHz
FASCM1006C-402	4000	4000	0.30	580	0.5~5MHz
FASCM1006C-502	5000	5000	0.25	630	0.5~3MHz

## TECHNICAL INFORMATION

## ELECTRICAL SCHEMATIC & PAD LAYOUT



### DIMENSIONS:MM

Part number	A	B	C	D	E	a	b	c	d
FASCM1006C	10.0±0.3	8.70±0.3	6.5 Max	6.22±0.3	7.62±0.3	2.70 REF	4.92 REF	2.70 REF	3.52 REF

# SMD COMMON MODE CHOKES FASCMT0905 SERIES



## FEATURES:

High rated currents, reduced components height  
Wire wound constructive common mode choke with best EMI suppression effect  
high impedance

## APPLICATIONS:

Preventive measure against common mode noise radiation emissions from power line or else Best for high current circuit such as car, wireless charging and power device design.  
Industrial applications

## GENERAL SPECIFICATIONS:

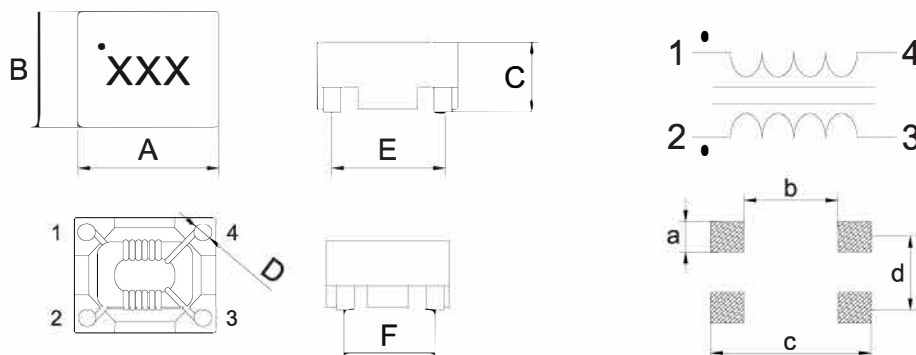
Rated current 1.4A to 5.0A.  
Inductance: 5.0uH to 30uH.  
Turns ratio: N1:N2=1:1 ± 2%.  
Inductance tolerance: Typ at 20°C.  
Operating temperature: -25°C to +105°C.  
Storage Temp: -0°C to +40°C.  
Resistance to Soldering Heat: 260°C for 10 sec.  
Temperature Rise: 40°C Typ. at Rated Current.  
All parts meet ROHS compliance.

## ELECTRICAL CHARACTERISTICS

Part Number	Impedance [Ω]Min	Inductance [uH]Typ 100KHz/100mV	Rated current [A]	D.C. Resistor [mΩ] Max at 20°C	Test Frequency
FASCMT0905-501	500	5.0	5.0	7.5	100MHz
FASCMT0905-801	800	9.0	3.5	15.0	100MHz
FASCMT0905-102	1000	11.0	2.5	35.0	100MHz
FASCMT0905-152	1500	18.0	2.0	50.0	100MHz
FASCMT0905-222	2200	30.0	1.4	60.0	100MHz

## TECHNICAL INFORMATION

## ELECTRICAL SCHEMATIC & PAD LAYOUT



### DIMENSIONS:MM

Part number	A	B	C	D	E	F	a	b	c	d
FASCMT0905	9.80 Max	8.60 Max	5.30 Max	1.20 REF	7.50±0.3	6.30±0.3	2.70 REF	4.90 REF	10.3 REF	6.30 REF

# SMD COMMON MODE CHOKES FASCM0904 SERIES



## FEATURES:

High rated currents, reduced components height  
Wire wound construction common mode choke with best EMI suppression effect  
high impedance

## APPLICATIONS:

Preventive measure against common mode noise radiation emissions from power line or else Best for high current circuit such as car, wireless charging and power device design.  
Industrial applications

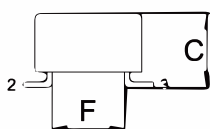
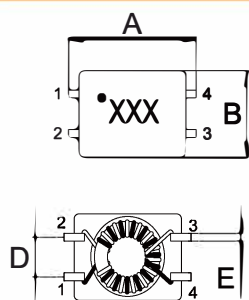
## GENERAL SPECIFICATIONS:

Rated current 0.4A to 1.0A.  
Inductance: 11uH to 4700uH.  
Turns ratio: N1:N2=1:1±2%.  
Inductance tolerance: +50/ - 30% at 20°C.  
Operating temperature: -25°C to +105°C.  
Storage Temp: -0°C to +40°C.  
Resistance to Soldering Heat: 260°C for 10 sec.  
Temperature Rise: 40°C Typ. at Rated Current.  
All parts meet ROHS compliance.

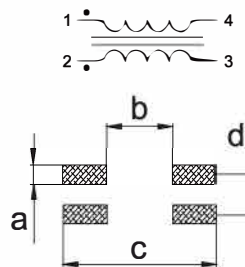
## ELECTRICAL CHARACTERISTICS

Part Number	Impedance [Ω]Min	Inductance [uH]+50/-30% 100KHz/100mV	Leakage Inductance [1-4] [2-3short] [uH]Typ	Rated current [A]	D.C. Resistor [mΩ] Max at 20°C	Test Frequency
FASCM0904-110	160	11	0.08	1.00	120	20~300MHz
FASCM0904-250	450	25	0.15	0.90	120	20~150MHz
FASCM0904-10	800	51	0.20	0.80	150	20~100MHz
FASCM0904-101	600	100	0.25	0.70	100	3~20MHz
FASCM0904-471	1200	470	0.28	0.70	280	2~15MHz
FASCM0904-102	1800	1000	0.28	0.70	300	1~10MHz
FASCM0904-222	3000	2200	0.29	0.50	400	0.8~5MHz
FASCM0904-472	5000	4700	0.30	0.40	700	0.5~3MHz

## TECHNICAL INFORMATION



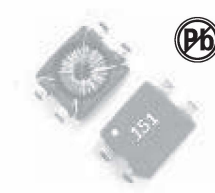
## ELECTRICAL SCHEMATIC & PAD LAYOUT



## DIMENSIONS:MM

Part number	A	B	C	D	E	F	a	b	c	d
FASCM0904	9.00±0.5	5.50±0.4	4.70±0.4	2.54±0.3	0.50 REF	5.50 REF	1.20 REF	4.50 REF	10.5 REF	2.54 REF

# SMD COMMON MODE CHOKES FASCM0803HC SERIES



## FEATURES:

High rated currents, reduced components height  
Wire wound constructive common mode choke with best EMI suppression effect  
high impedance

## APPLICATIONS:

Preventive measure against common mode noise radiation emissions from power line or else Best for high current circuit such as car, wireless charging and power device design.  
Industrial applications

## GENERAL SPECIFICATIONS:

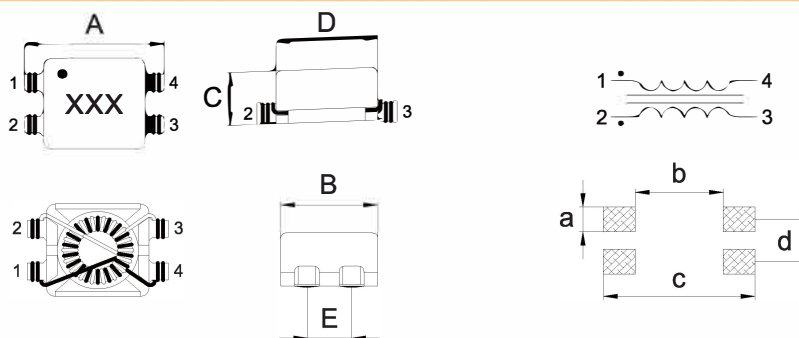
Rated current 0.4A to 2.0A .  
Inductance:6uH to 2200uH.  
Turns ratio:N1:N2=1:1±2%.  
Inductance tolerance:±40% at 20°C .  
Operating temperature: -25°C to +85°C.  
Storage Temp: -0°C to +40°C.  
Resistance to Soldering Heat:260°C for 10 sec.  
Temperature Rise:40°C Typ. at Rated Current.  
All parts meet ROHS compliance.

## ELECTRICAL CHARACTERISTICS

Part Number	Inductance [uH]± 40%	Test Frequency	D.C. Resistor [mΩ] Max at 20°C	Rated current [A]	Impedance [Ω]Min	Test Frequency
FASCM0803HC -6R0	6	100KHz/0.1mV	50	2.00	90	30-500MHz
FASCM0803HC -250	25	100KHz/0.1mV	80	1.60	300	20-200MHz
FASCM0803HC -550	55	100KHz/0.1mV	150	1.10	500	6-80MHz
FASCM0803HC -101	100	100KHz/0.1mV	270	0.90	600	4-40MHz
FASCM0803HC -151	150	100KHz/0.1mV	420	0.65	900	3-30MHz
FASCM0803HC -102	1000	100KHz/0.1mV	400	0.50	2800	1-10MHz
FASCM0803HC -222	2200	100KHz/0.1mV	600	0.40	3800	1-5MHz

## TECHNICAL INFORMATION

## ELECTRICAL SCHEMATIC & PAD LAYOUT



### DIMENSIONS:MM

Part number	A	B	C	D	E	a	b	c	d
FASCM0803HC	8.00±0.3	5.30±0.3	3.50 Max	5.80±0.3	2.54±0.3	1.80 REF	5.00 REF	8.60 REF	2.54 REF