

# SURFACE-MOUNT WOUND COMMON MODE CHOKES

## SF0805 1206 & CM01-02 SERIES

### FEATURES:

- Ferrite Core bobbin construction
- High frequency and Large current
- Excellent Mechanical Strength
- Excellent Solderability
- Excellent Frequency performance
- Low Profile and Low cost

### OPTIONS:

- Packaging:Tape & Reel is standard (Qty:2000pcs)
- Bulk packaging available for smaller quantities
- Tolerance:20% is standard, tighter tolerances available

### COMMON APPLICATIONS:

- DC/DCAC/DC convertor
- Video Cameras
- Communication System
- Automotive Systems
- Liquid Crystal Televisions
- Hard Disk Drives
- Network Systems
- Computer Peripheral Equipment

### ELECTRICAL CHARACTERISTICS:

Part Number	Common Mode Impedance @3MHz (Ω)min	IDC (A) Max	DCR (mΩ) Max	Rated Voltage VDC	Wistinging Voltage (CH-901)	Part Number	Common Mode Impedance @100MHz (Ω)TYPE	IDC (mA) Max	DCR (Ω) Max	Rated Voltage VDC	Wistinging Voltage (CH-901)
CM01-301M	300	0.5	25	80	AC150V 2mA/1min	SF0805-670	47Ω (67Ω)	400	0.25	50	125VDC
CM02-501M	500	0.8	70	80		SF0805-900	63Ω (90Ω)	330	0.35	50	125VDC
CM02-801M	800	0.6	180	80		SF0805-121	84Ω (120Ω)	370	0.30	50	125VDC
CM02-102M	1000	0.5	200	80		SF0805-181	126Ω (180Ω)	330	0.35	50	125VDC
CM02-202M	2000	0.4	270	80		SF0805-261	182Ω (260Ω)	300	0.40	50	125VDC
CM02-302M	3000	0.35	330	80		SF0805-371	259Ω (370Ω)	280	0.45	50	125VDC
CM02-402M	4000	0.30	550	80		SF1206-900	63Ω (90Ω)	370	0.30	50	125VDC
CM02-502M	5000	0.25	620	80		SF1206-161	112Ω (160Ω)	340	0.40	50	125VDC
						SF1206-261	182Ω (260Ω)	310	0.50	50	125VDC
						SF1206-601	420Ω (600Ω)	260	0.80	50	125VDC
						SF1206-102	700Ω (1000Ω)	230	1.00	50	125VDC
						SF1206-222	1540Ω (2200Ω)	200	1.20	50	125VDC

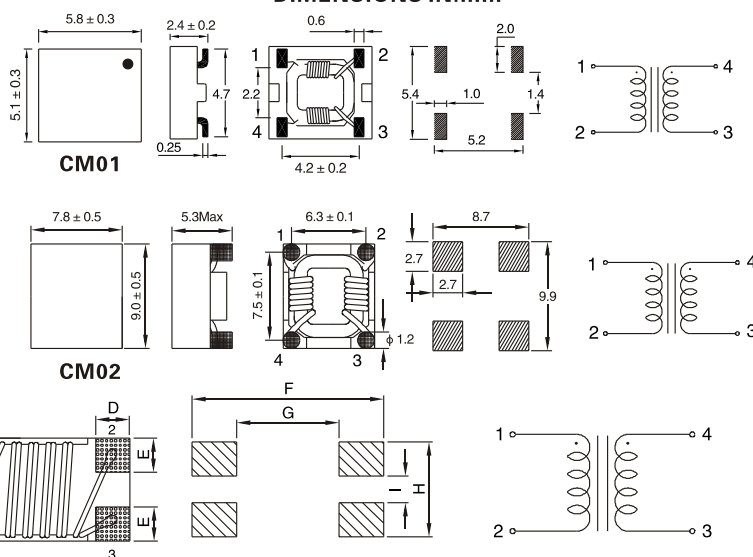
Note:1. K= ± 10%,M= ± 20%,N= ± 30%

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

- Inductance Testing: 1KHz 1V HP4284A
- Z test with HP4191A or HP4395A
- RDC:QuadTech 1880 Milliohmmer
- Operating temperature: -40°C to +105°C
- Storage Temperature: -40°C to +105°C
- Resistance to soldering heat:260°C for 10 seconds
- Marking: Part number and date code

Note:All specifications subject to change without notice.

#### DIMENSIONS IN:mm



Part Number	A	B	C	D	E	F	G	H	I
SF0805	2.060.2	1.2 ± 0.2	1.1 ± 0.2	0.45	0.4	2.6	0.8	1.3	0.4
SF1206	3.260.2	1.6 ± 0.2	1.4 ± 0.2	0.60	0.6	3.8	1.6	1.6	0.4

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