COMMON MODE SMD POWER INDUCTORS / SRI-4PAD TYPE

FEATURES

- Low voltage power supply is prosperous accordingly power saving.
- Four terminals choke coil available for DC-DC converter of less than 3.3V input voltage.

APPLICATIONS

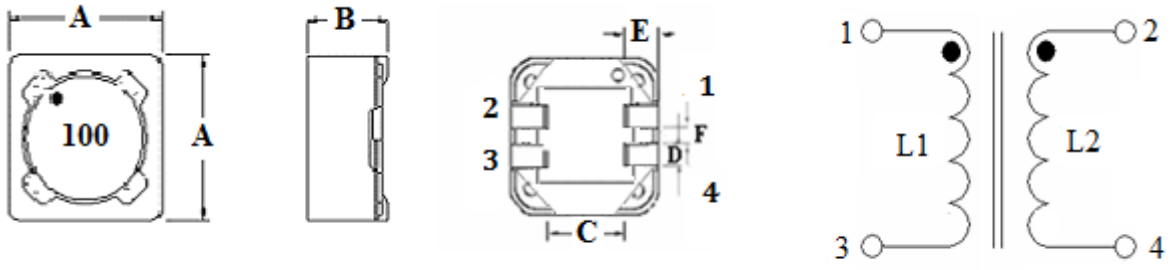
- DC-DC converters.
- Power modules.
- Communication devices.
- Industrial systems.

ORDERING CODE

SRI □□□□ – □□□ □ – 4PAD

- Tolerance (M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B (MAX)	C (REF)	D (REF)	E (REF)	F (REF)
SRI0703-4PAD	7.3 ± 0.3	3.5	5.0	0.8	2.1	1.1
SRI0704-4PAD	7.3 ± 0.3	4.8	5.0	0.8	2.1	1.1
SRI1205-4PAD	12.0 ± 0.5	6.5	7.6	2.0	2.9	1.6
SRI1207-4PAD	12.0 ± 0.5	8.5	7.6	2.0	2.9	1.6

COMMON MODE SMD POWER INDUCTORS / SRI-4PAD TYPE

ELECTRICAL CHARACTERISTICS FOR SRI0703**-4PAD

Part No.	L1=L2 (μH)	DCR(mΩ) (max)	IDC (A) (max)
SRI0703-4R7 □-4PAD	4.7	50	3.20
SRI0703-100 □-4PAD	10	200	2.40
SRI0703-200 □-4PAD	20	280	1.60
SRI0703-220 □-4PAD	22	400	1.60
SRI0703-470 □-4PAD	47	560	1.10
SRI0703-510 □-4PAD	51	700	1.00
SRI0703-221 □-4PAD	220	3000	0.53
SRI0703-251 □-4PAD	250	4200	0.34

ELECTRICAL CHARACTERISTICS FOR SRI0704**-4PAD

Part No.	L1=L2(μH)	DCR (mΩ) (max)	IDC (A) (max)
SRI0704-2R5 □-4PAD	2.5	19.8	5.67
SRI0704-3R3 □-4PAD	3.3	24.2	4.86
SRI0704-4R7 □-4PAD	4.7	28.6	4.14
SRI0704-5R6 □-4PAD	5.6	35.2	3.78
SRI0704-6R8 □-4PAD	6.8	38.5	3.51
SRI0704-8R2 □-4PAD	8.2	47.3	3.15
SRI0704-100 □-4PAD	10	55.0	2.70
SRI0704-150 □-4PAD	15	77.0	2.16
SRI0704-220 □-4PAD	22	121	1.89
SRI0704-330 □-4PAD	33	165	1.53
SRI0704-470 □-4PAD	47	231	1.26
SRI0704-560 □-4PAD	56	297	1.17
SRI0704-680 □-4PAD	68	352	1.08
SRI0704-820 □-4PAD	82	396	0.99
SRI0704-101 □-4PAD	100	495	0.88
SRI0704-121 □-4PAD	120	616	0.81
SRI0704-151 □-4PAD	150	742	0.72
SRI0704-181 □-4PAD	180	913	0.65
SRI0704-221 □-4PAD	220	1210	0.59
SRI0704-271 □-4PAD	270	1430	0.54
SRI0704-331 □-4PAD	330	1760	0.48
SRI0704-391 □-4PAD	390	2310	0.45
SRI0704-471 □-4PAD	470	2585	0.41
SRI0704-561 □-4PAD	560	2915	0.37
SRI0704-681 □-4PAD	680	3850	0.34
SRI0704-821 □-4PAD	820	4290	0.31
SRI0704-102 □-4PAD	1000	5940	0.27

COMMON MODE SMD POWER INDUCTORS / SRI-4PAD TYPE

ELECTRICAL CHARACTERISTICS FOR SRI1205**-4PAD

Part No.	L1=L2(μH)	DCR (mΩ) (max)	IDC (A) (max)
SRI1205-4R7 □-4PAD	4.7	19.8	9.27
SRI1205-5R6 □-4PAD	5.6	22.0	8.69
SRI1205-6R8 □-4PAD	6.8	26.4	8.28
SRI1205-8R2 □-4PAD	8.2	28.6	7.69
SRI1205-100 □-4PAD	10	33.0	6.66
SRI1205-120 □-4PAD	12	40.7	6.17
SRI1205-150 □-4PAD	15	46.2	5.48
SRI1205-180 □-4PAD	18	52.8	4.77
SRI1205-220 □-4PAD	22	63.8	4.50
SRI1205-270 □-4PAD	27	68.2	4.19
SRI1205-330 □-4PAD	33	73.7	3.79
SRI1205-390 □-4PAD	39	78.1	3.42
SRI1205-470 □-4PAD	47	95.7	2.92
SRI1205-560 □-4PAD	56	108	2.76
SRI1205-680 □-4PAD	68	118	2.54
SRI1205-820 □-4PAD	82	150	2.29
SRI1205-101 □-4PAD	100	177	1.98
SRI1205-121 □-4PAD	120	229	1.84
SRI1205-151 □-4PAD	150	261	1.63
SRI1205-181 □-4PAD	180	294	1.44
SRI1205-221 □-4PAD	220	380	1.35
SRI1205-271 □-4PAD	270	443	1.26
SRI1205-331 □-4PAD	330	600	1.15
SRI1205-391 □-4PAD	390	660	1.04
SRI1205-471 □-4PAD	470	874	0.90
SRI1205-561 □-4PAD	560	995	0.85
SRI1205-681 □-4PAD	680	1133	0.79
SRI1205-821 □-4PAD	820	1457	0.71
SRI1205-102 □-4PAD	1000	1683	0.62

COMMON MODE SMD POWER INDUCTORS / SRI-4PAD TYPE

ELECTRICAL CHARACTERISTICS FOR SRI1207**-4PAD

Part No.	L1=L2(μH)	DCR (mΩ) (max)	IDC (A) (max)
SRI1207-4R7 □-4PAD	4.7	20.9	13.40
SRI1207-5R6 □-4PAD	5.6	25.3	12.00
SRI1207-6R8 □-4PAD	6.8	26.4	11.70
SRI1207-8R2 □-4PAD	8.2	27.5	9.72
SRI1207-100 □-4PAD	10	31.9	9.45
SRI1207-120 □-4PAD	12	34.1	8.64
SRI1207-150 □-4PAD	15	39.6	8.19
SRI1207-180 □-4PAD	18	44.0	7.20
SRI1207-220 □-4PAD	22	52.8	6.12
SRI1207-270 □-4PAD	27	66.0	5.85
SRI1207-330 □-4PAD	33	82.5	5.04
SRI1207-390 □-4PAD	39	88.0	4.95
SRI1207-470 □-4PAD	47	99.0	4.68
SRI1207-560 □-4PAD	56	104	4.05
SRI1207-680 □-4PAD	68	115	3.69
SRI1207-820 □-4PAD	82	154	3.42
SRI1207-101 □-4PAD	100	165	3.06
SRI1207-121 □-4PAD	120	225	2.88
SRI1207-151 □-4PAD	150	253	2.52
SRI1207-181 □-4PAD	180	280	2.25
SRI1207-221 □-4PAD	220	379	2.07
SRI1207-271 □-4PAD	270	495	1.89
SRI1207-331 □-4PAD	330	561	1.71
SRI1207-391 □-4PAD	390	616	1.53
SRI1207-471 □-4PAD	470	841	1.44
SRI1207-561 □-4PAD	560	929	1.35
SRI1207-681 □-4PAD	680	1259	1.17
SRI1207-821 □-4PAD	820	1402	1.08
SRI1207-102 □-4PAD	1000	1556	0.99

＊Test Frequency : 100KHZ

COMMON MODE CHOKE COILS / BTC TYPE

FEATURES

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

APPLICATIONS

- Wireless charging devices.
- Power equipment.

ORDERING CODE

BTC □□□□ – 121

- 121 — Inductance
- □□□□ — Dimension (in mm)
- BTC — Product Symbol

SHAPES

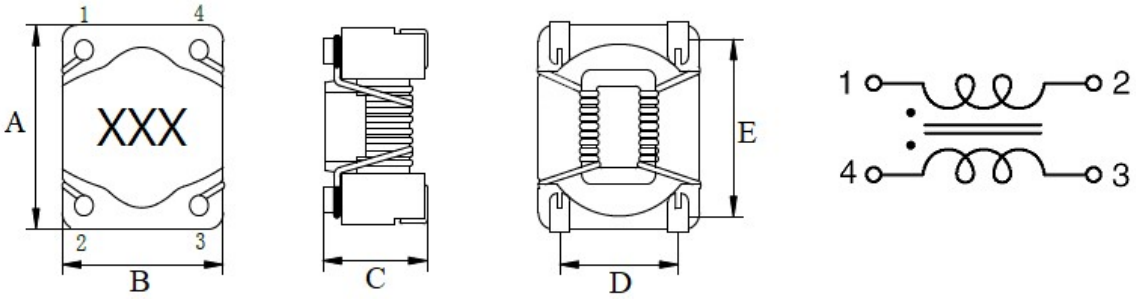


Fig. 1

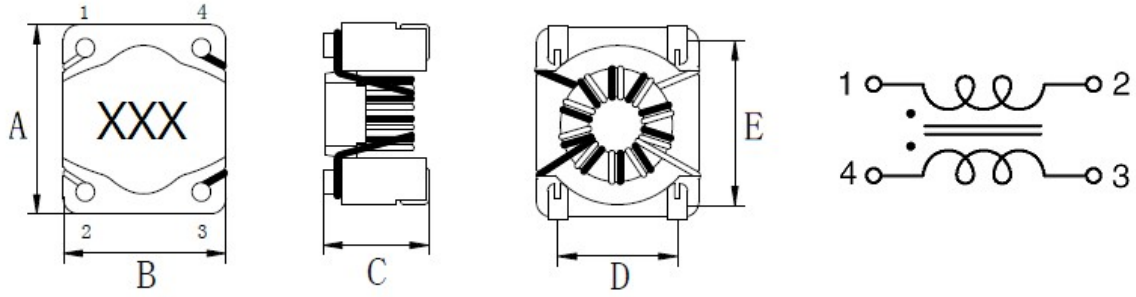


Fig. 2

COMMON MODE CHOKE COILS / BTC TYPE

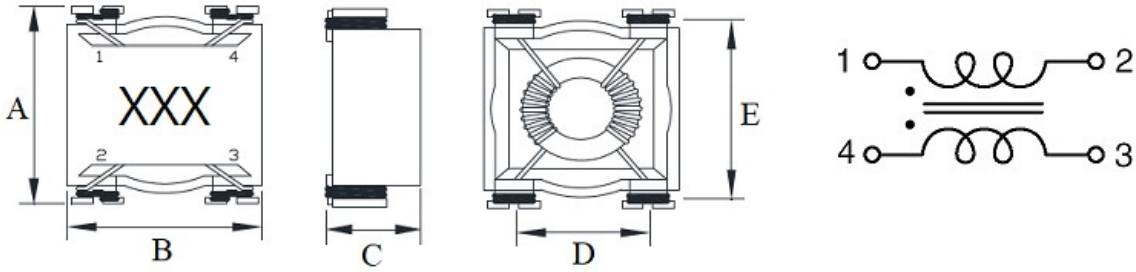


Fig. 3

DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)	D (Ref)	E (Ref)
BTC 1006	10.00 ± 0.3	8.7 ± 0.3	6.5	6.22 ± 0.2	7.62 ± 0.2
BTC 1609	16.40	14.6	9.3	8.64	13.21
BTC 1909	19.56	17.3	10.5	11.30	16.51

ELECTRICAL CHARACTERISTICS FOR BTC1006

Part No.	Fig.	Inductance (uH) N1=N2 (± 40%)	Test Frequency	DCR (Ω) (Max)	IDC (mA) (Max)
BTC 1006-121	1	120	100KHZ / 0.1V	0.025	2500
BTC 1006-221	1	220	100KHZ / 0.1V	0.032	2200
BTC 1006-251	1	250	100KHZ / 0.1V	0.035	2000
BTC 1006-471	1	470	100KHZ / 0.1V	0.065	1600
BTC 1006-102	1	1000	100KHZ / 0.1V	0.180	950
BTC 1006-222	2	2200	100KHZ / 0.1V	0.300	750
BTC 1006-332	2	3300	100KHZ / 0.1V	0.360	650
BTC 1006-392	2	3900	100KHZ / 0.1V	0.540	520
BTC 1006-472	2	4700	100KHZ / 0.1V	0.720	350

ELECTRICAL CHARACTERISTICS FOR BTC1609

Part No.	Fig.	Inductance (uH) N1=N2 (± 40%)	Test Frequency	DCR (Ω) (Max)	IDC (mA) (Max)
BTC 1609-121	3	120	1KHZ / 0.25V	0.018	6000
BTC 1609-771	3	770	1KHZ / 0.25V	0.040	4700
BTC 1609-132	3	1300	1KHZ / 0.25V	0.060	3800
BTC 1609-152	3	1500	1KHZ / 0.25V	0.070	3500
BTC 1609-302	3	3000	1KHZ / 0.25V	0.100	2500
BTC 1609-103	3	10000	10KHZ / 0.1V	0.210	1400

COMMON MODE CHOKE COILS / BTC TYPE

ELECTRICAL CHARACTERISTICS FOR BTC1909

Part No.	Fig.	Inductance (uH) N1=N2 (± 40%)	Test Frequency	DCR (Ω) (Max)	IDC (mA) (Max)
BTC 1909-121	3	120	1KHZ / 0.25V	0.012	12000
BTC 1909-591	3	590	1KHZ / 0.25V	0.021	5600
BTC 1909-771	3	770	1KHZ / 0.25V	0.040	4700
BTC 1909-132	3	1300	1KHZ / 0.25V	0.060	3800
BTC 1909-152	3	1500	1KHZ / 0.25V	0.070	3500
BTC 1909-302	3	3000	1KHZ / 0.25V	0.100	2500
BTC 1909-103	3	10000	1KHZ / 0.25V	0.210	1400

COMMON MODE CHOKE COILS / LFV TYPE

FEATURES

- Wide inductance range
- Easy PC Board Mounting
- High levels of safety and reliability
- Available as vertically or horizontally mounted

APPLICATIONS

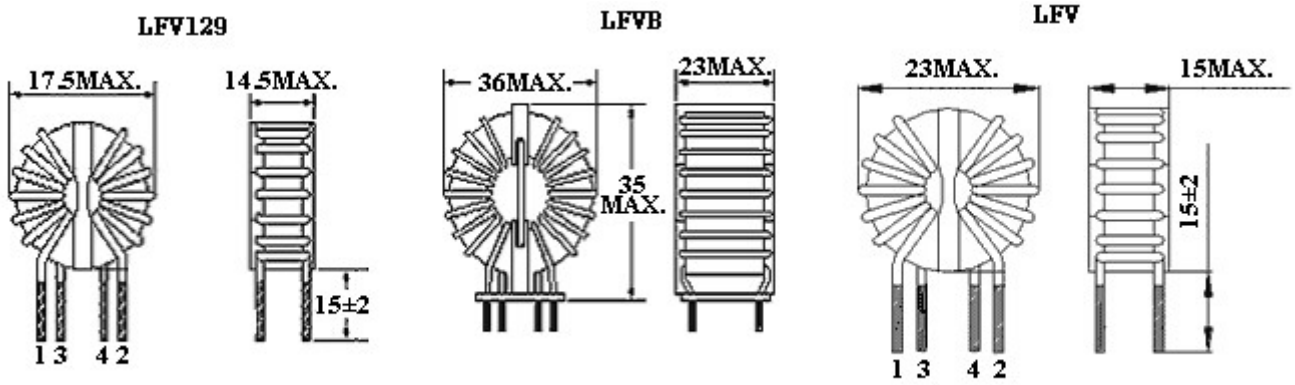
- Power modules.
- Display modules.
- Various categories of consumer electronics.

ORDERING CODE

LFV 129 - 601 1A

- 1A — Rated Current
- 601 — Inductance
- 129 — 129 Bobbin
- LFV — Product Symbol

SHAPES & DIMENSIONS (UNIT: mm)



ELECTRICAL CHARACTERISTICS

Part No.	Inductance (mH)	DC Resistance (mΩ)	Rated Current (A)
LFV129	0.6 - 5.0	60 - 150	1 - 3
LFVB	0.2 - 1.5	5 - 45	3 - 15
LFV	1.0 - 10	80 - 260	1 - 2

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

CORE MASTER ENTERPRISE CO., LTD.
http://www.coremaster.com.tw

COMMON MODE CHOKE COILS / SRF TYPE

FEATURES

- Enable common-mode noise suppression without influence signals.
- Ferrite toroid core construction.
- Magnetically shielded.

APPLICATIONS

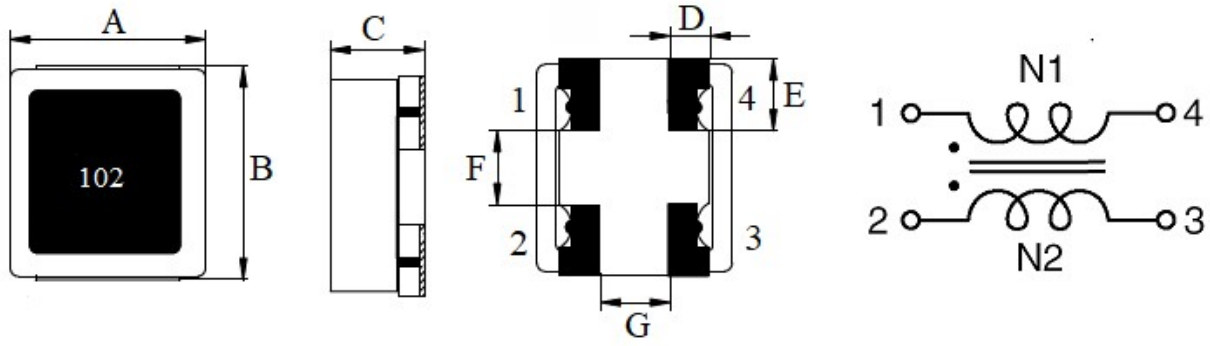
- Industrial systems.
- Communication interfaces.
- Various categories of consumer electronics.

ORDERING CODE

SRF □□□□ – 102

- Impedance
- Dimension (in mm)
- Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B	C (Max)	D (Ref.)	E (Ref.)	F (Ref.)	G (Ref.)
SRF 485025	4.8 ± 0.3	5.0 ± 0.3	2.5	1.35	1.7	1.6	1.0
SRF 485045	4.8 ± 0.3	5.0 ± 0.3	4.5	1.35	1.7	1.6	1.0

COMMON MODE CHOKE COILS / SRF TYPE

ELECTRICAL CHARACTERISTICS FOR SRF485025

Part No.	Impedance (Ω) (TYP) N1=N2	Test Frequency (MHz)	DC Resistance (mΩ) (Max)	Rated Current (mA)(Max)
SRF485025-101 □	100	100MHz	12.6	6500
SRF485025-251 □	250	100MHz	19.6	5000
SRF485025-351 □	350	100MHz	20.0	4000
SRF485025-501 □	500	100MHz	26.6	4000
SRF485025-102 □	1000	100MHz	33.6	2000
SRF485025-142 □	1400	100MHz	56.0	1500

ELECTRICAL CHARACTERISTICS FOR SRF485045

Part No.	Impedance (Ω) (TYP) N1=N2	Test Frequency (MHz)	DC Resistance (mΩ) (Max)	Rated Current (mA)(Max)
SRF485045-191 □	190	100MHz	20	5000
SRF485045-351 □	350	100MHz	40	2000
SRF485045-501 □	500	100MHz	50	1800
SRF485045-801 □	800	100MHz	50	1500
SRF485045-102 □	1000	100MHz	60	1500
SRF485045-152 □	1500	100MHz	100	1000
SRF485045-302 □	3000	100MHz	300	500

FIXED INDUCTORS / AL TYPE

FEATURES

- Coating epoxy resin that ensures the humidity resistance to be long lift.
- Contribute to be high Q and self-resonant frequencies.

APPLICATIONS

- Communication modules.
- Computing devices.
- Various categories of consumer electronics.

ORDERING CODE

AL 0204 – 6R8 □

- Tolerance (J:±5%, K:±10%, M:±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES & DIMENSIONS (UINT: mm)

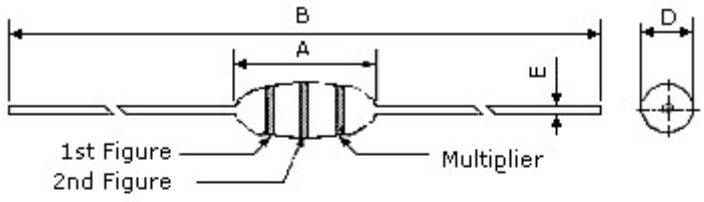


Fig. 1

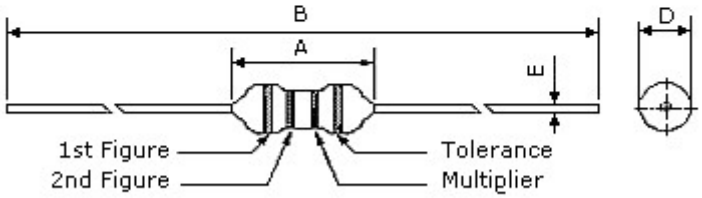


Fig. 2

Part No.	Fig.	A (Max)	B (±2.0)	D (Max)	E (±0.05)
AL 0204	1	4	62	3	0.55
AL 0307	2	8	62	3	0.55
AL 0410	2	12	62	4	0.65
AL 0510	2	12	62	5	0.65

FIXED INDUCTORS / AL TYPE

ELECTRICAL CHARACTERISTICS FOR AL0204

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0204-1R0 K	1.0	35	25.2	150	0.80	270
AL 0204-1R2 K	1.2	40	7.96	110	0.90	260
AL 0204-1R5 K	1.5	40	7.96	70	1.00	250
AL 0204-1R8 K	1.8	40	7.96	60	1.10	240
AL 0204-2R2 K	2.2	40	7.96	45	1.20	230
AL 0204-2R7 K	2.7	40	7.96	40	1.30	220
AL 0204-3R3 K	3.3	40	7.96	38	1.40	210
AL 0204-3R9 K	3.9	40	7.96	36	1.50	200
AL 0204-4R7 K	4.7	40	7.96	32	1.70	190
AL 0204-5R6 K	5.6	40	7.96	30	1.90	180
AL 0204-6R8 K	6.8	40	7.96	28	2.00	175
AL 0204-8R2 K	8.2	40	7.96	26	2.20	165
AL 0204-100 K	10	40	7.96	24	2.50	160
AL 0204-120 K	12	40	2.52	22	2.5	150
AL 0204-150 K	15	40	2.52	20	2.8	145
AL 0204-180 K	18	40	2.52	18	3.1	140
AL 0204-220 K	22	40	2.52	17	3.4	130
AL 0204-270 K	27	40	2.52	16	4.3	80
AL 0204-330 K	33	40	2.52	14	4.7	76
AL 0204-390 K	39	40	2.52	13	5.2	76
AL 0204-470 K	47	40	2.52	12	5.8	70
AL 0204-560 K	56	40	2.52	11	6.4	68
AL 0204-680 K	68	40	2.52	10	7.2	64
AL 0204-820 K	82	40	2.52	9.5	11	46
AL 0204-101 K	100	40	2.52	9.0	12	44
AL 0204-121 K	120	40	0.796	8.0	13	42
AL 0204-151 K	150	40	0.796	6.0	16	39
AL 0204-221 K	220	40	0.796	5.6	20	35
AL 0204-271 K	270	40	0.796	4.6	25	28
AL 0204-331 K	330	40	0.796	4.2	30	26
AL 0204-391 K	390	40	0.796	3.8	34	25
AL 0204-471 K	470	40	0.796	2.6	35	24
AL 0204-561 K	560	40	0.796	2.5	40	23
AL 0204-681 K	680	40	0.796	2.2	42	22
AL 0204-821 K	820	40	0.796	2.1	46	21
AL 0204-102 K	1000	40	0.796	2.0	52	20

FIXED INDUCTORS / AL TYPE

ELECTRICAL CHARACTERISTICS FOR AL0307

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0307-1R0 K	1.0	40	25.2	180	0.15	700
AL 0307-1R2 K	1.2	40	7.96	165	0.18	740
AL 0307-1R5 K	1.5	40	7.96	150	0.20	700
AL 0307-1R8 K	1.8	50	7.96	125	0.23	655
AL 0307-2R2 K	2.2	50	7.96	110	0.25	630
AL 0307-2R7 K	2.7	50	7.96	95	0.28	595
AL 0307-3R3 K	3.3	50	7.96	70	0.30	575
AL 0307-3R9 K	3.9	50	7.96	65	0.32	555
AL 0307-4R7 K	4.7	50	7.96	50	0.35	530
AL 0307-5R6 K	5.6	50	7.96	40	0.40	500
AL 0307-6R8 K	6.8	50	7.96	30	0.45	470
AL 0307-8R2 K	8.2	50	7.96	28	0.56	425
AL 0307-100 K	10	50	7.96	22	0.75	370
AL 0307-120 K	12	50	2.52	20	0.80	350
AL 0307-150 K	15	50	2.52	16	0.93	335
AL 0307-180 K	18	50	2.52	15	1.00	315
AL 0307-220 K	22	50	2.52	13	1.20	285
AL 0307-270 K	27	50	2.52	11	1.80	270
AL 0307-330 K	33	50	2.52	10	2.10	255
AL 0307-390 K	39	50	2.52	9.5	2.30	240
AL 0307-470 K	47	50	2.52	8.5	2.60	205
AL 0307-560 K	56	50	2.52	7.5	2.90	195
AL 0307-680 K	68	50	2.52	6.5	3.30	185
AL 0307-820 K	82	50	2.52	6.0	3.80	175
AL 0307-101 K	100	50	2.52	5.5	4.20	165
AL 0307-121 K	120	60	0.796	5.4	4.70	160
AL 0307-151 K	150	60	0.796	4.7	5.40	150
AL 0307-181 K	180	60	0.796	4.3	6.00	140
AL 0307-221 K	220	60	0.796	4.0	7.00	130
AL 0307-271 K	270	60	0.796	3.7	7.70	120
AL 0307-331 K	330	60	0.796	3.4	11.1	100
AL 0307-391 K	390	60	0.796	2.8	12.6	95
AL 0307-471 K	470	60	0.796	2.5	14.0	90
AL 0307-561 K	560	60	0.796	2.3	15.5	85
AL 0307-681 K	680	60	0.796	2.0	25.3	75
AL 0307-821 K	820	60	0.796	1.5	27.5	65
AL 0307-102 K	1000	50	0.796	1.2	31.4	60

FIXED INDUCTORS / AL TYPE

ELECTRICAL CHARACTERISTICS FOR AL0410

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0410-1R0 K	1.0	45	25.2	157	0.17	920
AL 0410-1R2 K	1.2	50	7.96	144	0.18	880
AL 0410-1R5 K	1.5	50	7.96	131	0.20	830
AL 0410-1R8 K	1.8	55	7.96	121	0.22	790
AL 0410-2R2 K	2.2	55	7.96	110	0.24	750
AL 0410-2R7 K	2.7	60	7.96	100	0.25	720
AL 0410-3R3 K	3.3	65	7.96	94	0.30	670
AL 0410-3R9 K	3.9	65	7.96	86	0.35	640
AL 0410-4R7 K	4.7	70	7.96	80	0.40	620
AL 0410-5R6 K	5.0	70	7.96	74	0.45	590
AL 0410-6R8 K	6.8	75	7.96	68	0.50	550
AL 0410-8R2 K	8.2	80	7.96	53	0.60	530
AL 0410-100 K	10	80	7.96	45	0.65	500
AL 0410-120 K	12	75	2.52	34	0.70	480
AL 0410-150 K	15	70	2.52	20	0.75	460
AL 0410-180 K	18	65	2.52	14	0.80	430
AL 0410-220 K	22	50	2.52	9.9	0.90	410
AL 0410-270 K	27	55	2.52	7.6	1.00	390
AL 0410-330 K	33	55	2.52	6.3	1.10	370
AL 0410-390 K	39	50	2.52	6.3	1.20	350
AL 0410-470 K	47	45	2.52	6.3	1.30	340
AL 0410-560 K	56	40	2.52	6.2	1.50	320
AL 0410-680 K	68	40	2.52	5.7	1.80	305
AL 0410-820 K	82	35	2.52	5.3	2.00	290
AL 0410-101 K	100	30	2.52	4.8	2.50	275
AL 0410-121 K	120	70	0.796	3.8	3.00	185
AL 0410-151 K	150	70	0.796	3.5	4.20	175
AL 0410-181 K	180	70	0.796	3.3	4.60	165
AL 0410-221 K	220	70	0.796	3.0	5.10	155
AL 0410-271 K	270	65	0.796	2.8	6.00	145
AL 0410-331 K	330	65	0.796	2.6	6.50	137
AL 0410-391 K	390	65	0.796	2.4	7.50	133
AL 0410-471 K	470	60	0.796	2.2	8.50	126
AL 0410-561 K	560	60	0.796	2.1	9.50	120
AL 0410-681 K	680	55	0.796	1.9	12	113
AL 0410-821 K	820	55	0.796	1.8	14	105
AL 0410-102 K	1000	50	0.796	1.4	20	85

FIXED INDUCTORS / AL TYPE

LECTRICAL CHARACTERISTICS FOR AL0510

Part No.	Inductance (uH)	Quality Factor (Min)	Test Freq. (MHz)	SRF (MHz) Min	DCR (Ω) Max	IDC (mA) Max
AL 0510-102 K	1000	80	252	1.30	8	120
AL 0510-122 K	1200	80	252	1.30	9	110
AL 0510-152 K	1500	80	252	1.30	10	100
AL 0510-182 K	1800	80	252	1.20	11	90
AL 0510-222 K	2200	80	252	1.10	14	80
AL 0510-272 K	2700	80	252	0.85	18	75
AL 0510-332 K	3300	80	252	0.74	22	65
AL 0510-392 K	3900	80	252	0.70	26	60
AL 0510-472 K	4700	80	252	0.66	32	55
AL 0510-562 K	5600	70	252	0.64	34	50
AL 0510-682 K	6800	70	252	0.58	45	45
AL 0510-822 K	8200	50	252	0.50	60	40
AL 0510-103 K	10000	50	252	0.48	70	38
AL 0510-123 K	12000	50	252	0.46	82	35
AL 0510-153 K	15000	50	252	0.40	89	32
AL 0510-183 K	18000	40	79.6	0.37	140	28
AL 0510-223 K	22000	40	79.6	0.33	170	25
AL 0510-273 K	27000	40	79.6	0.28	210	23
AL 0510-303 K	30000	40	79.6	0.26	240	22
AL 0510-333 K	33000	40	79.6	0.25	250	20
AL 0510-393 K	39000	40	79.6	0.24	270	16

HIGH CURRENT COMMON MODE CHOKE COILS / CM TYPE

FEATURES

- High common mode impedance at high frequency effects excellent noise suppression performance.
- The common mode choke coils structure enables noise suppression without degrading the signal.
- Suitable for and reflow soldering

APPLICATIONS

- EMI countermeasures at signal lines of various categories of consumer electronics. Countermeasures against common-mode noise at composite video signals.

ORDERING CODE

CM □□□□□□ – 601

- 601: Impedance
- □□□□□□: Dimension (in mm)
- CM: Product Symbol

SHAPES

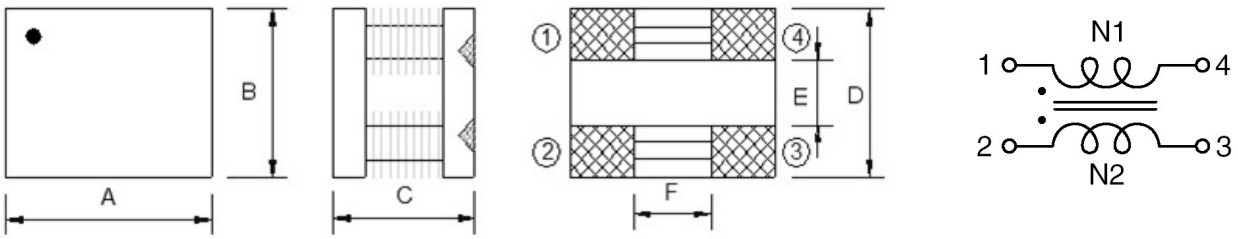


Fig.1

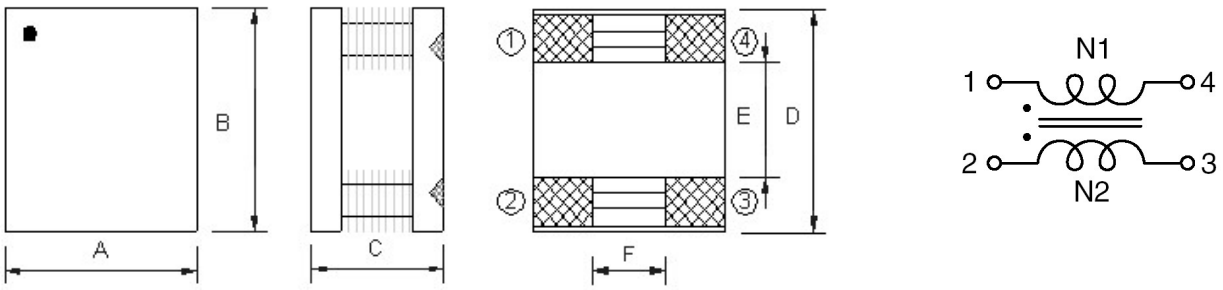


Fig.2

HIGH CURRENT COMMON MODE CHOKE COILS / CM TYPE

DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	B	C	D (Ref.)	E (Ref.)	F (Ref.)
CM508505	1	8.5 ± 0.3	5.00 ± 0.3	5.0 ± 0.3	5.0	1.8	4.0
CM750603	2	6.0 ± 0.3	7.50 ± 0.3	3.2 ± 0.3	7.5	2.5	1.8
CM100805	2	8.0 ± 0.3	10.0 ± 0.3	5.2 ± 0.3	10.0	4.0	2.5
CM121006	2	10.0 ± 0.5	12.0 ± 0.5	6.2 ± 0.3	12.0	5.0	3.0

ELECTRICAL CHARACTERISTICS FOR CM508505

Part No.	Rated Current (mA)	Impedance (Ω) (Ref.)	Test Frequency	DC Resistance (mΩ)(Max)
CM 508505-701	2500	700	100MHz	35
CM 508505-102	2500	1000	100MHz	75
CM 508505-202	2000	2000	100MHz	75
CM 508505-222	2000	2200	100MHz	75

ELECTRICAL CHARACTERISTICS FOR CM750603

Part No.	Rated Current (mA)	Impedance (Ω) (Ref.)	Test Frequency	DC Resistance (mΩ)(Max)
CM 750603-301	5000	300	100MHz	10
CM 750603-601	2500	600	100MHz	45
CM 750603-701	2500	700	100MHz	45

ELECTRICAL CHARACTERISTICS FOR CM100805

Part No.	Rated Current (mA)	Impedance (Ω) (Ref.)	Test Frequency	DC Resistance (mΩ)(Max)
CM 100805-501	5000	500	100MHz	10
CM 100805-601	4000	600	100MHz	30
CM 100805-102	4000	1000	100MHz	30
CM 100805-152	3000	1500	80MHz	60
CM 100805-202	2000	2000	70MHz	75

ELECTRICAL CHARACTERISTICS FOR CM121006

Part No.	Rated Current (mA)	Impedance (Ω) (Ref.)	Test Frequency	DC Resistance (mΩ)(Max)
CM 121006-201	6000	200	100MHz	20
CM 121006-501	5000	500	100MHz	25
CM 121006-901	5000	900	100MHz	25
CM 121006-102	5000	1000	100MHz	25
CM 121006-122	5000	1200	100MHz	45
CM 121006-202	5000	2000	100MHz	45
CM 121006-302	2500	3000	100MHz	150

Note:
1, Inductance is measured by LCR-meter 4284A (HP) or equivalent.
2, DC Resistance is measured by HP4338B Milliohms Meter or equivalent.

HIGH CURRENT COMMON MODE FILTERS / SCM TYPE

FEATURES

- High common mode impedance at high frequency effects excellent noise suppression performance.
- The common mode filters structure enables noise suppression without degrading the signal.
- Suitable for and reflow soldering

APPLICATIONS

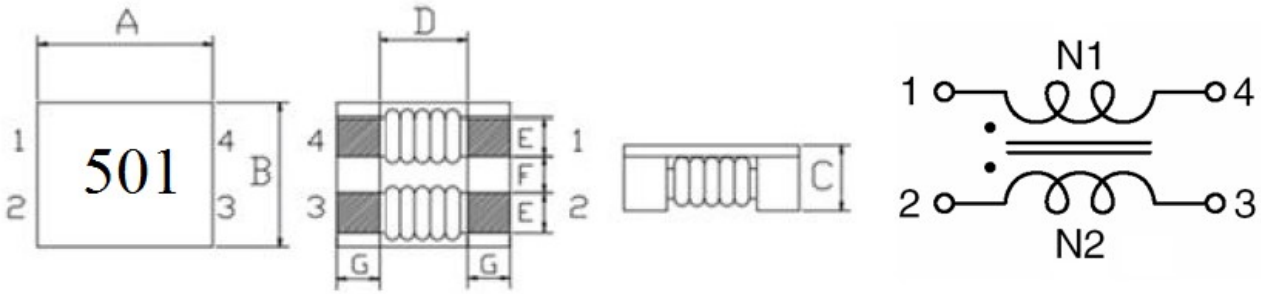
- Industrial equipment.
- Communication equipment.

ORDERING CODE

SCM □□□□□□ – 501

- 501 — Impedance
- □□□□□□ — Dimension (in mm)
- SCM — Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B	C (Max)	D (Ref.)	E (Ref.)	F (Ref.)	G (Ref.)
SCM474520	4.7 ± 0.5	4.5 ± 0.5	2.2	2.7	0.75	1.26	1.0
SCM706040	7.0 ± 0.5	6.0 ± 0.5	4.0	3.5	1.50	1.50	1.7
SCM907050	9.0 ± 0.5	7.0 ± 0.5	5.0	5.7	1.50	2.00	1.7
SCM121164	12.0 ± 0.5	10.8 ± 0.5	6.4	7.0	2.70	2.50	2.5

HIGH CURRENT COMMON MODE FILTERS / SCM TYPE

ELECTRICAL CHARACTERISTICS FOR SCM474520

Part No.	Impedance (Ω)N1=N2		Test Frequency (MHz)	DC Resistance (mΩ)(Max)	Rated Current (A)(Max)
	Min	Typ			
SCM 474520-900	30	90	100MHz	35	3.2
SCM 474520-151	80	150	100MHz	38	3.1
SCM 474520-231	180	230	100MHz	39	3.0
SCM 474520-301	180	300	100MHz	39	3.0
SCM 474520-401	200	400	100MHz	50	2.5
SCM 474520-501	300	500	100MHz	55	2.4
SCM 474520-701	500	700	100MHz	59	2.2
SCM 474520-901	700	900	100MHz	68	2.1
SCM 474520-102	800	1000	100MHz	68	2.1
SCM 474520-122	1000	1200	100MHz	74	2.0
SCM 474520-142	1200	1400	100MHz	81	1.9

ELECTRICAL CHARACTERISTICS FOR SCM706040

Part No.	Impedance (Ω)N1=N2		Test Frequency (MHz)	DC Resistance (mΩ)(Max)	Rated Current (A)(Max)
	Min	Typ			
SCM 706040-400	40	70	100MHz	5	15
SCM 706040-101	100	140	100MHz	10	9.0
SCM 706040-301	225	300	100MHz	10	5.0
SCM 706040-501	275	350	100MHz	10	5.0
SCM 706040-601	500	700	100MHz	15	4.0
SCM 706040-132	910	1300	100MHz	21	2.5
SCM 706040-222	1700	2200	100MHz	50	1.2
SCM 706040-272	2000	2700	100MHz	63	1.0
SCM 706040-302	2500	3000	100MHz	75	0.9

ELECTRICAL CHARACTERISTICS FOR SCM907050

Part No.	Impedance (Ω)N1=N2		Test Frequency (MHz)	DC Resistance (mΩ)(Max)	Rated Current (A)(Max)
	Min	Typ			
SCM 907050-301	225	300	100MHz	6	6.0
SCM 907050-501	450	600	100MHz	8	6.0
SCM 907050-701	500	700	100MHz	10	5.0
SCM 907050-102	750	1000	100MHz	13	4.0
SCM 907050-222	1700	2200	100MHz	60	2.5
SCM 907050-272	2000	2700	100MHz	65	2.0
SCM 907050-302	2500	3000	100MHz	70	1.9

HIGH CURRENT COMMON MODE FILTERS / SCM TYPE

ELECTRICAL CHARACTERISTICS FOR SCM121164

Part No.	Impedance (Ω)N1=N2		Test Frequency (MHz)	DC Resistance (mΩ)(Max)	Rated Current (A)(Max)
	Min	Typ			
SCM 121164-800	80	230	100MHz	4	10
SCM 121164-701	500	700	100MHz	6	8.0
SCM 121164-801	600	800	100MHz	8	8.0
SCM 121164-102	750	1000	100MHz	14	6.0
SCM 121164-132	910	1300	100MHz	23	4.5
SCM 121164-222	2200	2500	100MHz	35	1.8
SCM 121164-272	2300	2700	100MHz	50	1.5

HIGH CURRENT FILTER CHOKES / HC TYPE

FEATURES

- Coated with varnish
- Use ferrite cores
- Low cost design
- General purpose inductors
- High saturation current

APPLICATIONS

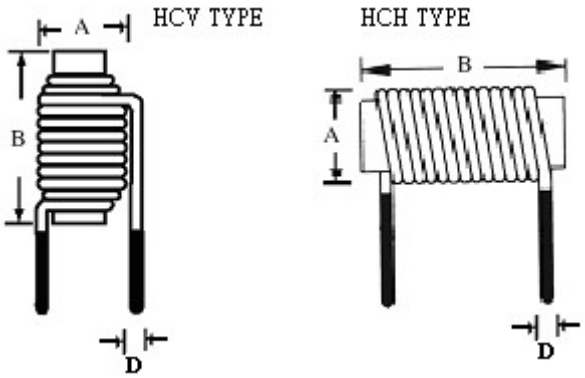
- Switching power supplies.
- DC/DC converters.
- Industrial systems.

ORDERING CODE

HCV/H 0520 – 1R0 □

- □ — Tolerance (K:±10%, M:±20%)
- 1R0 — Inductance
- 0520 — Dimension (AxB)
- HCV/H — Product Symbol (V: Vertical, H: Horizontal)

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	D (Ref)
HC 0415	5.5	16.0	0.40
HC 0520	7.0	21.0	0.65
HC 0630	9.5	31.0	1.20

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

LINE FILTERS / LFU TYPE

FEATURES

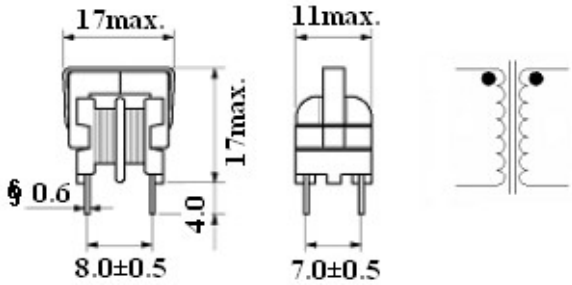
- High impedance and excellent frequence characteristic. Low magnetic flux leakage. gineers with its impedance characteristics.

APPLICATIONS

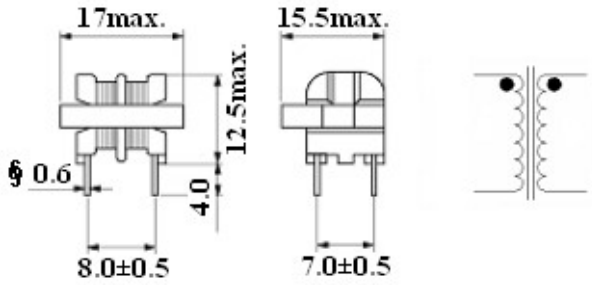
- Power modules.
- Display modules.
- Various categories of consumer electronics.

SHAPES AND DIMENSIONS (UNIT: mm)

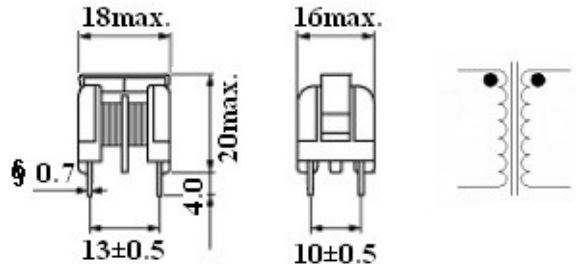
LFU09V SHAPE



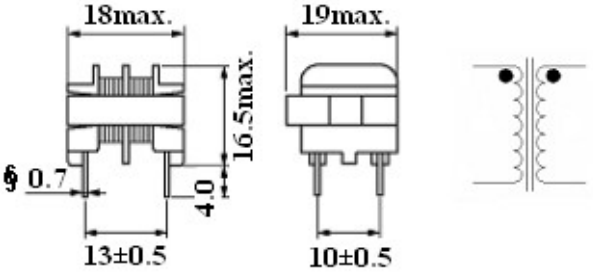
LFU09H SHAPE



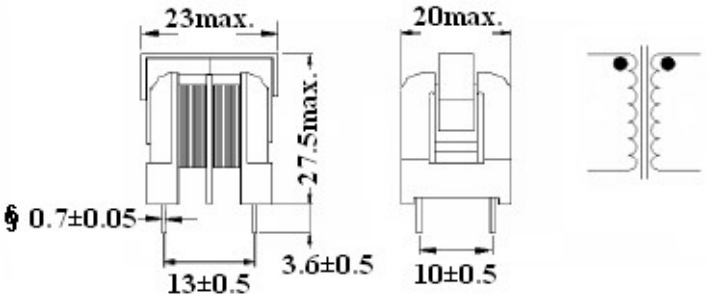
LFU10V SHAPE



LFU10H SHAPE



LFU16V SHAPE



LINE FILTERS / LFU TYPE

ELECTRICAL CHARACTERISTICS

Part No.	Inductance (mH)	DC Resistance (Ω)	Rated Current (A)
LFU 09 H **LFU 09 V**	0.5 - 10	0.30 - 8.0	0.1 - 1.0
LFU 10 H **LFU 10 V**	0.6 - 10	0.15 - 3.0	0.3 - 2.0
LFU 16 V	1.5 - 30	0.15 - 2.8	0.4 - 1.5

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

RADIAL CHOKE INDUCTORS / RC TYPE

FEATURES

- High rated current for high current circuits. Designed by special lead wire to prevent open circuit failure.
- Low cost with rugged reliability and performance fixed inductor.

APPLICATIONS

- Excellent as DC-DC converter boost or buck inductors.Also used for filtering applications.

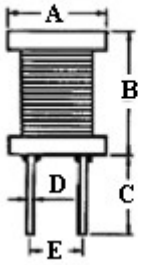
ORDERING CODE

RC 0608 U - 151 □

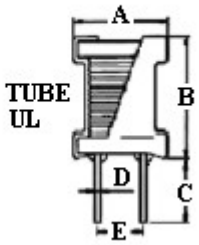
- Tolerance (K:±10%, M:±20%)
- Inductance
- U: UL Tube
- Dimension (AxB)
- Product Symbol

SHAPES

(WITHOUT TUBE)



(WITH UL TUBE)



DIMENSIONS UNIT: mm (WITH ULTUBE)

Part No.	A (Max)	B (Max)	C (±2)	D (Typ)	E (Ref.)
RC 0406	6.0	8.0	15	0.50	2.0
RC 0608	8.0	11.0	15	0.60	3.0
RC 0810	10.0	13.0	15	0.65	5.0
RC 0912	11.0	15.0	15	0.80	5.0
RC 1012	12.5	15.0	15	0.80	6.0
RC 1016	12.5	19.0	15	0.80	6.0

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

SHIELDED RADIAL CHOKE INDUCTORS / SRC TYPE

FEATURES

- Low distortion.
- Ferrite Shielded.

APPLICATIONS

- Excellent as DC-DC converter boost or buck inductors.Also used for filtering applications.

ORDERING CODE

SRC 1013 – 4R3 □

- Tolerance (K:±10%, L: ±15%, M:±20%)
- Inductance
- Dimension (AxB)
- Product Symbol

SHAPES

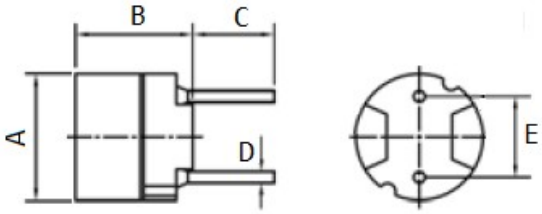


Fig. 1

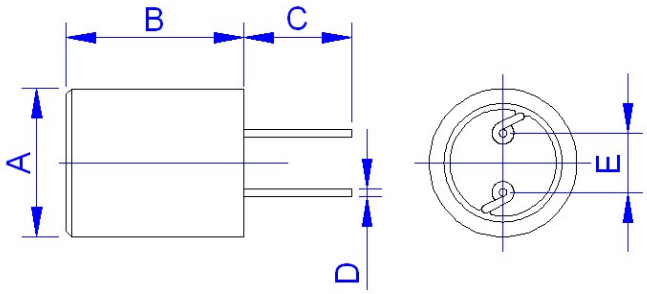


Fig. 2

DIMENSIONS UNIT: mm

Part No.	Fig.	A (MAX)	B (MAX)	C (REF)	D (REF)	E (REF)
SRC0606	1	6.5	7.0	5.0	0.5	4.0
SRC0807	1	8.3	7.8	5.0	0.6	5.0
SRC1013	2	11	14.5	5.0	0.7	5.0
SRC1317	2	14	18.5	5.0	0.7	5.0
SRC1616	2	17	17.5	5.0	0.8	7.5
SRC1619	2	17	20.5	5.0	1.0	7.5

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

SMD COMMON MODE EMI FILTER / WCB TYPE

FEATURES

Miniature SMD type common mode filter for fully automated assembly.

Wide impedance rage (25Ω~2200Ω) for noise suppression.

Excellent Solderability.

APPLICATIONS

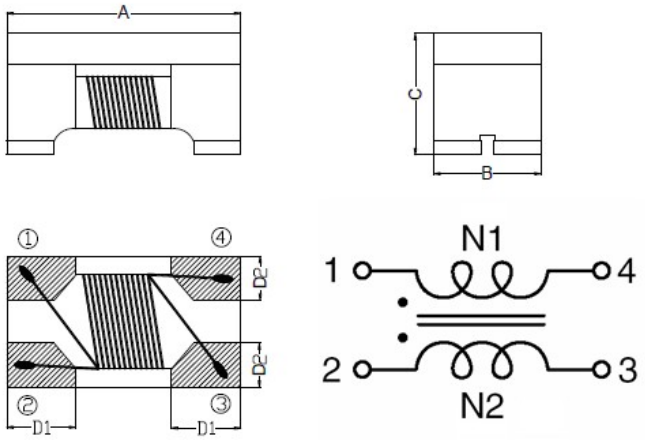
- Communication devices.
- Industrial systems.
- Precision instruments.

ORDERING CODE

WCB 2012 - 900 Y-N

- Note: lead-free
- Tolerance (Y:±25%)
- Impedance
- Dimension (AxB)
- SMD Common Mode

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A (±0.2)	B (±0.2)	C (±0.2)	D1 (Ref.)	D2 (Ref.)
WCB 2012	2.00	1.20	1.20	0.55	0.46
WCB 3216	3.20	1.60	2.00	0.50	0.50

SMD COMMON MODE EMI FILTER / WCB TYPE

ELECTRICAL CHARACTERISTICS FOR WCB2012

Part No.	Impedance (Ω)100MHz	DC Resistance (Ω) Max	Rated Current (mA)Max
WCB 2012-250Y-N	25	0.20	500
WCB 2012-300Y-N	30	0.20	450
WCB 2012-400Y-N	40	0.20	450
WCB 2012-420Y-N	42	0.20	450
WCB 2012-500Y-N	50	0.25	450
WCB 2012-670Y-N	67	0.25	400
WCB 2012-750Y-N	75	0.35	330
WCB 2012-900Y-N	90	0.35	330
WCB 2012-101Y-N	100	0.35	330
WCB 2012-121Y-N	120	0.35	330
WCB 2012-161Y-N	160	0.35	300
WCB 2012-181Y-N	180	0.35	300
WCB 2012-201Y-N	200	0.35	300
WCB 2012-221Y-N	220	0.40	300
WCB 2012-261Y-N	260	0.40	300
WCB 2012-301Y-N	300	0.50	280
WCB 2012-331Y-N	330	0.50	280
WCB 2012-361Y-N	360	0.50	280
WCB 2012-371Y-N	370	0.50	250
WCB 2012-391Y-N	390	0.80	250
WCB 2012-501Y-N	500	0.80	250
WCB 2012-601Y-N	600	0.88	250
WCB 2012-801Y-N	800	0.88	250
WCB 2012-921Y-N	920	0.95	160
WCB 2012-222Y-N	2200	1.40	100

ELECTRICAL CHARACTERISTICS FOR WCB3216

Part No.	Impedance (Ω)100MHz	DC Resistance (Ω) Max	Rated Current (mA)Max
WCB 3216-900Y-N	90	0.30	400
WCB 3216-161Y-N	160	0.35	350
WCB 3216-221Y-N	220	0.45	300

SMD COMMON MODE TOROIDS COILS / SFT TYPE

FEATURES

- Reduced components height
- High rated currents
- Suitable for reflow soldering
- RoHS-compatible

APPLICATIONS

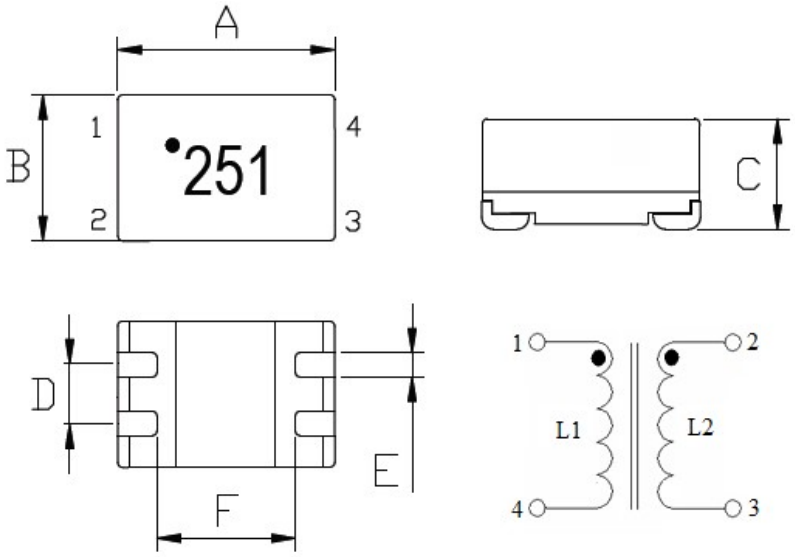
- Industrial applications.
- Telecom applications.

ORDERING CODE

SFT □□□□- 3R3

- 3R3 — Inductance
- □□□□ — Dimension
- SFT — Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B	C	D	E	F
SFT0905	9.2 ± 0.3	6.0 ± 0.3	5.0 ± 0.3	2.54 ± 0.3	1.0 (REF)	5.7 (REF)

SMD COMMON MODE TOROIDS COILS / SFT TYPE

ELECTRICAL CHARACTERISTICS FOR SFT0905

Part No.	Inductance L1=L2 (uH)	Test Frequency (KHz)	RDC RDC1=RDC2 (mΩ) MAX	IDC (A) MAX
SFT0905-100□	10 ±50%	1KHz / 0.1V	80	1.6
SFT0905-250□	25 ±50%	1KHz / 0.1V	120	1.3
SFT0905-400□	40 ±50%	1KHz / 0.1V	120	1.3
SFT0905-510□	51 ±50%	1KHz / 0.1V	120	1.3
SFT0905-251□	250 ± 50%	100KHz / 0.05V	130	1.2
SFT0905-501□	500 ± 50%	100KHz / 0.05V	150	1.0
SFT0905-102□	1000 ± 50%	100KHz / 0.05V	310	0.8
SFT0905-202□	2000 ± 50%	100KHz / 0.05V	420	0.6
SFT0905-472□	4700 ± 50%	100KHz / 0.05V	900	0.4
SFT0905-652□	6500 ± 50%	100KHz / 0.05V	1050	0.3

SMD COMMON MODE TOROIDS COILS / SHT TYPE

FEATURES

- Reduced components height
- High rated currents
- Suitable for reflow soldering
- RoHS-compatible

APPLICATIONS

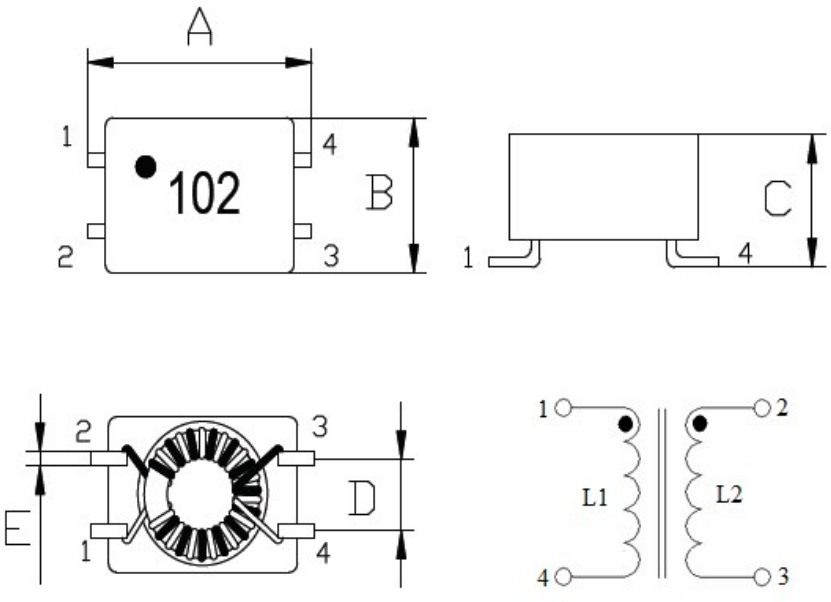
- Industrial equipment.
- Telecommunication systems.

ORDERING CODE

SHT □□□□- 102

- 102 — Inductance
- □□□□ — Dimension
- SHT — Product Symbol

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A	B	C	D	E
SHT0905	9.0 ± 0.5	5.5 ± 0.4	5.2 (MAX)	2.54 ± 0.3	0.5 (REF)

SMD COMMON MODE TOROIDS COILS / SHT TYPE

ELECTRICAL CHARACTERISTICS FOR SHT0905

Part No.	Inductance L1=L2 (uH)	Test Frequency (KHz)	RDC RDC1=RDC2 (mΩ) MAX	IDC (A) MAX
SHT0905-110□	11 ±50%	100KHz / 0.1V	120	1.0
SHT0905-250□	25 ±50%	100KHz / 0.1V	120	0.9
SHT0905-510□	51 ±50%	100KHz / 0.1V	195	0.8
SHT0905-101□	100 ±50%	100KHz / 0.1V	250	0.7
SHT0905-471□	470 ±50%	100KHz / 0.1V	280	0.7
SHT0905-102□	1000 ±50%	100KHz / 0.1V	300	0.7
SHT0905-222□	2200 ±50%	100KHz / 0.1V	400	0.5
SHT0905-472□	4700 ±50%	100KHz / 0.1V	700	0.4

WOUND TOROIDS COILS / TC TYPE

APPLICATIONS

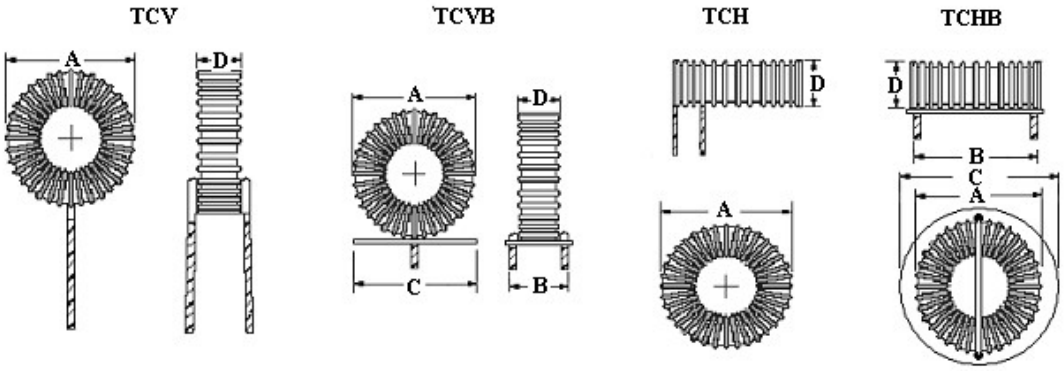
- EMI filtering.
- Switching circuits.
- Power systems.

ORDERING CODE

TCV/H □ 101 M - 2A - 5026

- 5026 — Core Size
- 2A — Current in Amps
- M — Tolerance (M:±20%)
- 101 — Inductance
- □ — B:BASE
- TCV/H — Product Symbol (V: Vertical , H: Horizontal)

SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)	D (Max)
TCV	7.5 ~ 42.5			5.5 ~ 21.5
TCVB	12.0 ~ 39.0	10 ~ 20	11 ~ 30	7.0 ~ 18.5
TCH	7.5 ~ 42.5			5.5 ~ 21.5
TCHB	12.0 ~ 39.0	9 ~ 36	13 ~ 42	7.0 ~ 18.5

***DESIGN AS CUSTOMER'S REQUESTED SPECIFICATIONS**

CORE MASTER ENTERPRISE CO., LTD.
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