



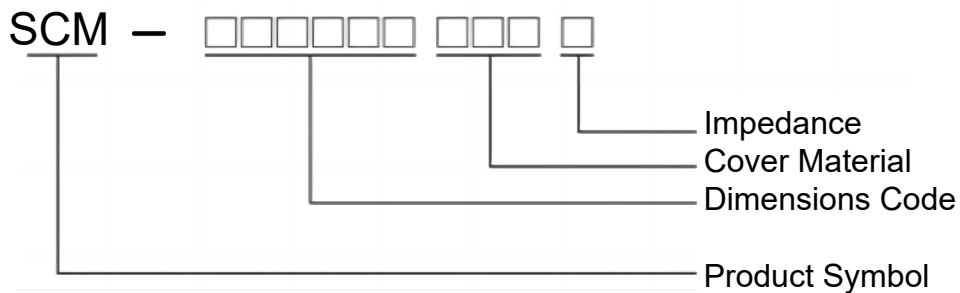
FEATURES

- Chip common mode choke/inductor/filter for large current applications
For each series, there is excellent common mode impedance and noise suppression in a compact case.
- Compatible with high-density portable devices, which are always being made smaller and lighter, because the height has been reduced.
- Low profile and small size makes it optimal for surface mounting.

APPLICATIONS

- Power line noise countermeasure for various electronic equipment (DVCs, DVD cams, DSCs, etc.)
- Noise countermeasure for adapter lines and battery lines or larger electronic equipment such as notebook PCs and word processors

PRODUCT IDENTIFICATION

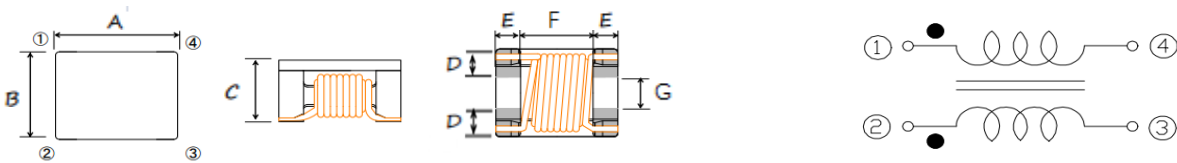


SHAPES & DIMENSIONS

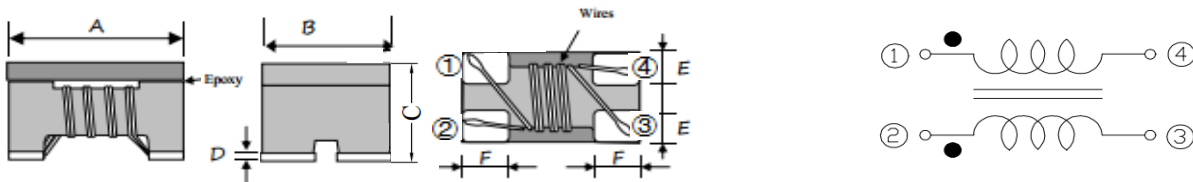
Shapes and Dimensions

Circuit Diagram

SCM-3225 Series

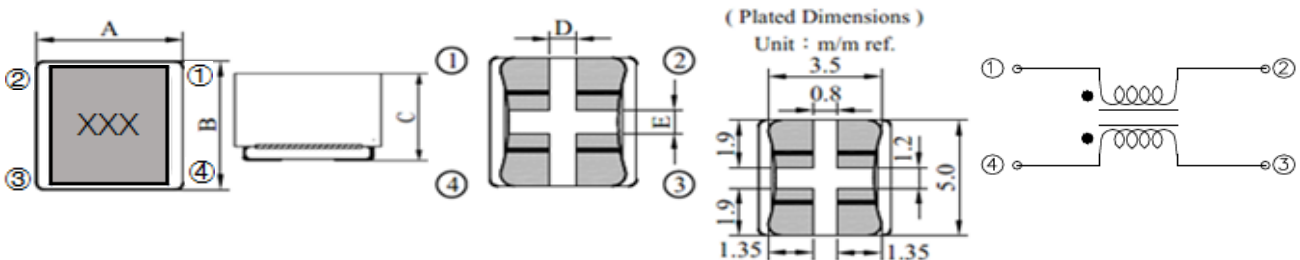


SCM-4532 Series



SCM-5020 Series

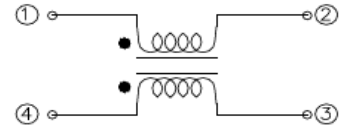
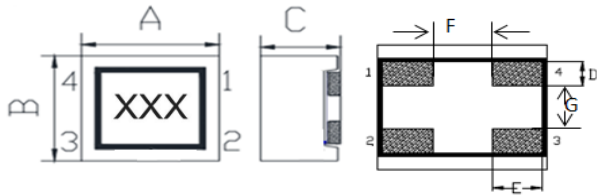
SCM-5040 Series



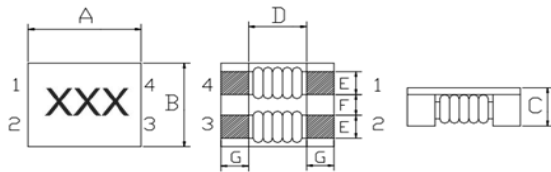
Shapes and Dimensions

Circuit Diagram

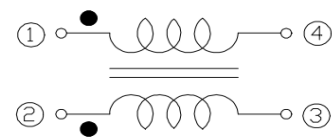
SCM-5045 Series



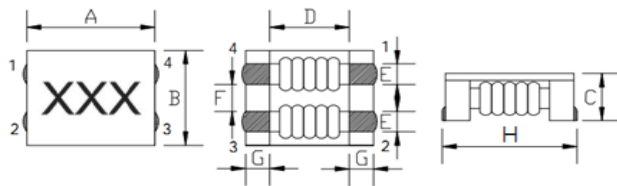
SCM-7060 Series SCM-9070 Series



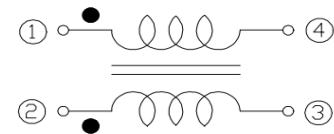
TOP VIEW BOTTOM VIEW SIDE VIEW



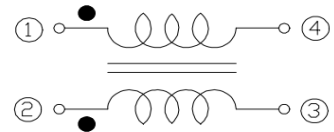
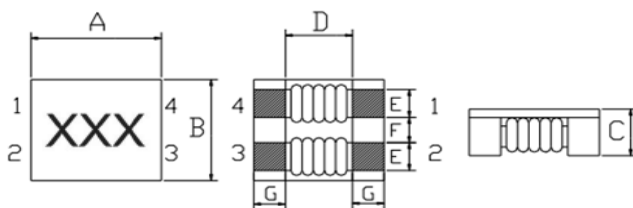
SCM-1211 Series



TOP VIEW BOTTOM VIEW SIDE VIEW



SCM-1513 Series



Dimensions in mm

TYPE	A	B	C	D	E	F	G	H
3225	3.2±0.2	2.5±0.2	2.0±0.2	0.9 Typ.	0.75 Typ.	1.7 Typ.	0.7 Typ.	--
4532	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	1.2 Typ.	1.0 Typ.	--	--
5020	4.8±0.2	5.0±0.2	2.5 Max.	0.8 Typ.	1.0 Typ.	--	--	--
5040	4.8±0.2	5.0±0.2	4.5 Max.	0.8 Typ.	1.0 Typ.	--	--	--
5045	5.0±0.3	4.5±0.3	2.8±0.3	1.0 Typ.	1.65 Typ.	1.2±0.3	1.2±0.3	--
7060	7.0±0.5	6.0±0.5	3.8 Max.	3.5 Typ.	1.5±0.2	1.5±0.2	1.75±0.2	--
9070	9.0±0.5	7.0±0.5	4.8 Max.	5.7 Typ.	1.5 Typ.	2.0 Typ.	1.7 Typ.	--
1211	12.0±0.5	10.8 ±0.5	6.4 Max.	7.0 Typ.	2.7±0.2	2.5±0.2	2.5±0.2	12.5±0.5
1513	15.0±0.5	13.0±0.4	6.0 Max.	10.4 Typ.	2.7±0.2	3.8±0.2	2.3±0.2	--

SCM-3225 Series

Standard Specifications

Part No.	Impedance(Ω)		Test frequency (Hz)	RDC (Ω) Max(1LINE)	Rated current (A)Max.	Rated Voltage (Vdc)	Insulation (M Ω)Min
	Min	Typ					
SCM-3225-102	--	1000	100M/0.2V	0.22	1.50	50	10

- IDC for a 40°C rise above temperature 25°C ambient
- I.R : 50V(DC)/0.5S, Series test

Test Instrument :

Impedance: HP4287A

DCR: Chroma 16502 OR TH2512B

Insulation Resistance: TH2683A OR HP4339B

IDC : Agilent 6641SYSTEM DC POWER SUPPLY OR TH2829A+TH1773

SCM-4532 Series

Standard Specifications

Part No.	Impedance(Ω)		Test frequency (Hz)	RDC (Ω) Max(1LINE)	Rated current (A)Max.	Rated Voltage (Vdc)	Insulation (M Ω)Min
	Min	Typ					
SCM-4532-101	--	100	100M/0.2V	0.25	2.0	50	10
SCM-4532-251	--	250	100M/0.2V	0.25	1.5	50	10
SCM-4532-601	--	600	100M/0.2V	0.25	1.0	50	10
SCM-4532-102	--	1000	100M/0.2V	0.30	0.8	50	10

- IDC for a 40°C rise above temperature 25°C ambient
- I.R : 50V(DC)/0.5S, Series test

Test Instrument :

Impedance: HP4287A

DCR: Chroma 16502 OR TH2512B

Insulation Resistance: TH2683A OR HP4339B

IDC : Agilent 6641SYSTEM DC POWER SUPPLY OR TH2829A+TH1773

SCM-5020 Series

Standard Specifications

Part No.	Impedance(Ω)		Test frequency (Hz)	RDC (Ω) Max(1LINE)	Rated current (A)Max.	Rated Voltage (Vdc)	Insulation (M Ω)Min
	Min	Typ					
SCM-5020-101	--	100	100M/0.2V	9m	6.0	50	10
SCM-5020-251	--	250	100M/0.2V	14m	5.0	50	10
SCM-5020-501	--	500	100M/0.2V	19m	4.0	50	10
SCM-5020-102	--	1000	100M/0.2V	24m	2.0	50	10
SCM-5020-142	--	1400	100M/0.2V	40m	1.5	50	10
SCM-5020-152	--	1500	100M/0.2V	40m	1.5	50	10

- IDC for a 40°C rise above temperature 25°C ambient
- I.R : 50V(DC)/0.5S, Series test

Test Instrument :

Impedance: HP4287A

DCR: Chroma 16502 OR TH2512B

Insulation Resistance: TH2683A OR HP4339B

IDC : Agilent 6641SYSTEM DC POWER SUPPLY OR TH2829A+TH1773

SCM-5040 Series

Standard Specifications

Part No.	Impedance(Ω)		Test frequency (Hz)	RDC (Ω) Max(1LINE)	Rated current (A)Max.	Rated Voltage (Vdc)	Insulation ($M\Omega$)Min.
	Min	Typ					
SCM-5040-191	--	190	100M/0.2V	0.02	5.0	50	10
SCM-5040-351	--	350	100M/0.2V	0.04	2.0	50	10
SCM-5040-102	--	1000	100M/0.2V	0.06	1.5	50	10
SCM-5040-152	--	1500	100M/0.2V	0.10	1.0	50	10
SCM-5040-302	--	3000	100M/0.2V	0.20	0.5	50	10
SCM-5040-402	--	4000	100M/0.2V	0.30	0.2	50	10

•IDC for a 40°C rise above temperature 25°C ambient

•I.R : 50V(DC)/0.5S

Test Instrument :

Impedance: HP4287A

DCR:Chroma 16502 OR TH2512B

Insulation Resistance:TH2683A OR HP4339B

IDC : Agilent 6641SYSTEM DC POWER SUPPLY OR TH2829A+TH1773

SCM-5045 Series

Standard Specifications

Part No.	Impedance(Ω)		Test frequency (Hz)	RDC (Ω) (1LINE)	Rated current (A)Max.	Rated Voltage (Vdc)	Insulation ($M\Omega$)Min
	Min	Typ					
SCM-5045-101	--	100	100M/0.2V	9m \pm 40%	6.00	50	10
SCM-5045-251	--	250	100M/0.2V	14m \pm 40%	5.0	50	10
SCM-5045-351	--	350	100M/0.2V	40m Max	2.0	50	10
SCM-5045-501	--	500	100M/0.2V	19m \pm 40%	2.0	50	10
SCM-5045-102	--	1000	100M/0.2V	24m \pm 40%	2.0	50	10
SCM-5045-142	--	1400	100M/0.2V	40m \pm 40%	2.0	50	10
SCM-5045-152	--	1500	100M/0.2V	0.1 Max	1.0	50	10
SCM-5045-302	--	3000	100M/0.2V	0.3 Max	1.0	50	10

•IDC for a 40°C rise above temperature 25°C ambient

•I.R : 50V(DC)/0.5S

Test Instrument :

Impedance: HP4287A

DCR:Chroma 16502 OR TH2512B

Insulation Resistance:TH2683A OR HP4339B

IDC : Agilent 6641SYSTEM DC POWER SUPPLY OR TH2829A+TH1773

SCM-7060 Series

Standard Specifications

Part No.	Impedance(Ω)		Test frequency (Hz)	RDC (Ω) Max(1LINE)	Rated current (A)Max.	Rated Voltage (Vdc)	Insulation ($M\Omega$)Min.
	Min	Typ					
SCM-7060□-400	40	70	100M/0.2V	5m	15	50	10
SCM-7060□-101	100	140	100M/0.2V	10m	9	50	10
SCM-7060□-301	225	300	100M/0.2V	10m	5	50	10
SCM-7060□-501	275	500	100M/0.2V	10m	5	50	10
SCM-7060□-601	500	700	100M/0.2V	15m	4	50	10
SCM-7060□-701	600	700	100M/0.2V	15m	4	50	10
SCM-7060□-102	800	1020	100M/0.2V	17m	3	50	10
SCM-7060□-132	910	1300	100M/0.2V	21m	2.5	50	10
SCM-7060□-272	2000	2700	100M/0.2V	63m	1	50	10
SCM-7060□-302	2500	3000	100M/0.2V	75m	0.9	50	10

- '□' specify the cover material, F=Black LCP engineering plastics; M=Golden high temperature tape
- IDC for a 40°C rise above temperature 25°C ambient
- I.R : 50V(DC)/0.5S, Series test

Test Instrument :

Impedance: HP4287A

DCR: Chroma 16502 OR TH2512B

Insulation Resistance: TH2683A OR HP4339B

IDC : Agilent 6641SYSTEM DC POWER SUPPLY OR TH2829A+TH1773

SCM-9070 Series

Standard Specifications

Part No.	Impedance(Ω)		Test frequency (Hz)	RDC (Ω) Max(1LINE)	Rated current (A)Max.	Rated Voltage (Vdc)	Insulation (MΩ)Min.
	Min	Typ					
SCM-9070□-301	225	300	100M/0.2V	6m	6.0	50	10
SCM-9070□-501	450	600	100M/0.2V	8m	5.5	50	10
SCM-9070□-701	500	700	100M/0.2V	10m	5.0	50	10
SCM-9070□-102	750	1000	100M/0.2V	13m	4.0	50	10
SCM-7060□-222	1700	2200	100M/0.2V	60m	2.5	50	10
SCM-7060□-272	2000	2700	100M/0.2V	65m	2.0	50	10
SCM-7060□-302	2500	3000	100M/0.2V	70m	3.0	50	10

- '□' specify the cover material, F=Black LCP engineering plastics; M =Golden high temperature tape

- IDC for a 40°C rise above temperature 25°C ambient

- I.R : 50V(DC)/0.5S, Series test

Test Instrument :

Impedance: HP4287A

DCR: Chroma 16502 OR TH2512B

Insulation Resistance: TH2683A OR HP4339B

IDC : Agilent 6641SYSTEM DC POWER SUPPLY OR TH2829A+TH1773

SCM-1513 Series

Standard Specifications

Part No.	Impedance(Ω)		Test frequency (Hz)	RDC (Ω) Max(1LINE)	Rated current (A)Max.	Rated Voltage (Vdc)	Insulation (MΩ)Min
	Min	Typ					
SCM-1513□-301	250	300	100M/0.2V	5m	13	50	10
SCM-1513□-551	450	550	100M/0.2V	6m	12	50	10
SCM-1513□-601	600	800	100M/0.2V	7m	11	50	10
SCM-1513□-701	600	800	100M/0.2V	7m	11	50	10
SCM-1513□-102	800	1000	100M/0.2V	12m	10	50	10

- '□' specify the cover material, F=Black LCP engineering plastics; M =Golden high temperature tape

- IDC for a 40°C rise above temperature 25°C ambient

- I.R : 50V(DC)/0.5S, Series test

Test Instrument :

Impedance: HP4287A

DCR: Chroma 16502 OR TH2512B

Insulation Resistance: TH2683A OR HP4339B

IDC : Agilent 6641SYSTEM DC POWER SUPPLY OR TH2829A+TH1773