

# HIGH CURRENT COMMON MODE FILTERS / SCM TYPE

## FEATURES

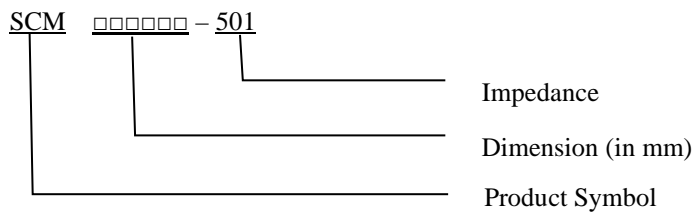
- ◆ High common mode impedance at high frequency effects excellent noise suppression performance.
- ◆ The common mode filters structure enables noise suppression without degrading the signal.
- ◆ Suitable for and reflow soldering



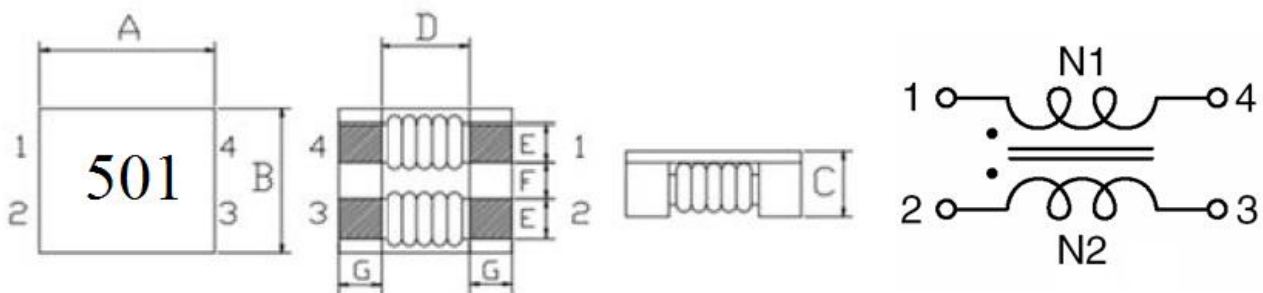
## APPLICATIONS

- ◆ EMI countermeasures at signal lines of personal computers, microcomputers, peripheral devices, Countermeasures against common-mode noise at composite at video signals.

## ORDERING CODE



## 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



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### ELECTRICAL CHARACTERISTICS FOR SCM474520

Part No.	Impedance ( $\Omega$ )N1=N2		Test Frequency (MHz)	DC Resistance (m $\Omega$ )(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 ( $\Omega$ )N1=N2		Test Frequency (MHz)	DC Resistance (m $\Omega$ )(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 ( $\Omega$ )N1=N2		Test Frequency (MHz)	DC Resistance (m $\Omega$ )(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



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## ELECTRICAL CHARACTERISTICS FOR SCM121164

Part No.	Impedance ( $\Omega$ )N1=N2		Test Frequency (MHz)	DC Resistance (m $\Omega$ )(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



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