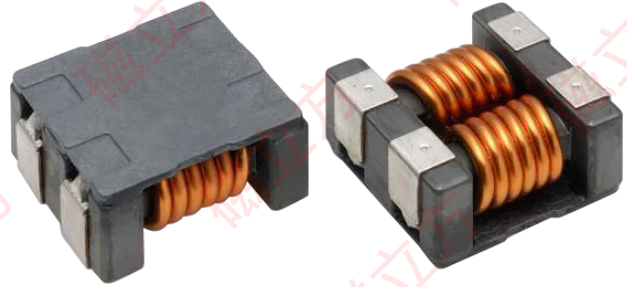


# SACM SERIES

## FEATURES:

- Chip common mode 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.
- Operating temperature range: -40 to +85C.



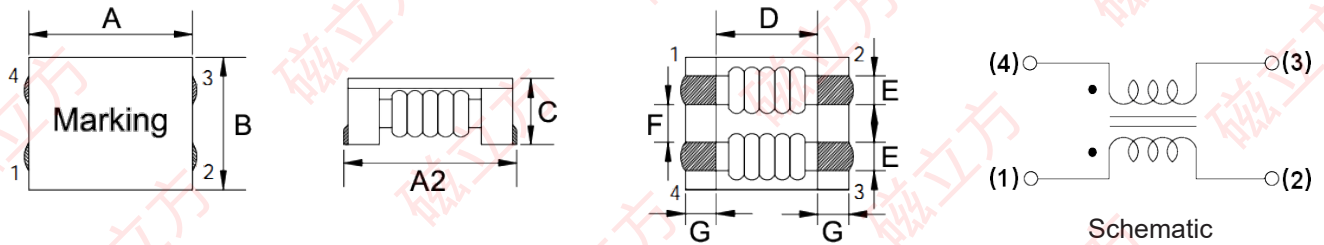
## APPLICATION:

- Power line noise countermeasure for various electronic equipment.
- Noise countermeasure for adapter lines and battery lines or larger electronic equipment such as note PCs and word processors.

## Explanation of part numbers:



## Boundary dimension:



Series	Size	A	A2	B	C	D	E	F	G
SACM0402		4.5±0.5	4.8±0.5	4.5±0.5	2.0Max.	2.7Typ.	0.8Typ.	1.25Typ.	1.0Typ.
SACM0706		7.0±0.5	7.5Ref.	6.0±0.5	3.8Max.	3.5Typ.	1.5±0.2	1.5±0.2	1.75±0.2
SACM0907		9.0±0.5	9.5Ref.	7.0±0.5	4.8Max.	5.7Typ.	1.5±0.2	2.0±0.2	1.70±0.2
SACM1211-L		12.0±0.5	12.5±0.5	11.0±0.5	6.0Max.	7.4Typ.	2.7±0.2	2.5±0.2	2.3±0.2
SACM1211		12.0±0.5	12.5±0.5	10.8±0.5	6.4Max.	7.0Typ.	2.7±0.2	2.5±0.2	2.5±0.2
SACM1513-L		15.0±0.5	15.6±0.5	13.0±0.5	6.0Max.	10.4Typ.	2.7±0.2	3.8±0.2	2.3±0.2
SACM1513		15.0±0.5	15.6±0.5	13.0±0.4	6.5Max.	10.2Typ.	2.6±0.2	3.9±0.2	2.5±0.2

## Electrical characteristics:

Test condition: at 25°C 100KHz/0.1V

Series	Z( $\Omega$ ) at 100MHz		DCR (m $\Omega$ )Max.	IDC(A)Max.	IR (m $\Omega$ )Min.	Rated Volt. (V)Max.
	Min.	Typ.				
SACM0402-231	180	230	45.0	1.8	10	50
SACM0402-301	200	300	45.0	1.8	10	50
SACM0402-401	300	420	50.0	1.5	10	50
SACM0402-701	500	700	59.0	1.4	10	50
SACM0402-901	650	900	68.0	1.3	10	50
SACM0402-102	800	1000	68.0	1.3	10	50
SACM0402-142	1200	1400	81.0	1.2	10	50
SACM0706-400	40	70	5.0	15.0	10	80
SACM0706-101	100	140	8.0	9.0	10	80
SACM0706-201	150	200	9.0	7.0	10	80
SACM0706-301	225	300	10.0	6.0	10	80
SACM0706-501	300	500	10.0	5.0	10	80
SACM0706-601	400	600	10.0	5.0	10	80
SACM0706-701	500	700	15.0	4.0	10	80
SACM0706-801	600	800	15.0	4.0	10	80
SACM0706-102	800	1020	17.0	3.0	10	80
SACM0706-132	910	1300	21.0	2.5	10	80
SACM0706-202	1500	2000	50.0	1.5	10	80
SACM0706-272	2000	2700	63.0	1.0	10	80
SACM0706-302	2500	3000	75.0	0.9	10	80
SACM0706-402	3300	4000	100.0	0.8	10	80
SACM0907-301	225	300	6.0	6.0	10	80
SACM0907-501	375	500	8.0	5.5	10	80
SACM0907-701	500	700	10.0	5.0	10	80
SACM0907-102	750	1000	13.0	4.5	10	80
SACM0907-132	1000	1300	20.0	4.0	10	80
SACM0907-152	1200	1500	20.0	4.0	10	80
SACM0907-202	1500	2000	30.0	3.5	10	80
SACM0907-222	1700	2200	50.0	3.0	10	80
SACM0907-272	2000	2700	60.0	2.8	10	80
SACM0907-302	2500	3000	70.0	2.7	10	80
SACM0907-402	3500	4000	80.0	2.5	10	80
SACM1211-701-L	500	700	6.0	8.0	10	50
SACM1211-102-L	750	1000	14.0	6.0	10	50
SACM1211-231	80	230	2.0	10.0	10	50
SACM1211-701	500	700	6.0	8.0	10	50
SACM1211-801	600	800	8.0	8.0	10	50
SACM1211-102	750	1000	14.0	6.0	10	50
SACM1211-252	2200	2500	35.0	1.8	10	50
SACM1211-272	2300	2700	50.0	1.5	10	50

## Electrical characteristics:

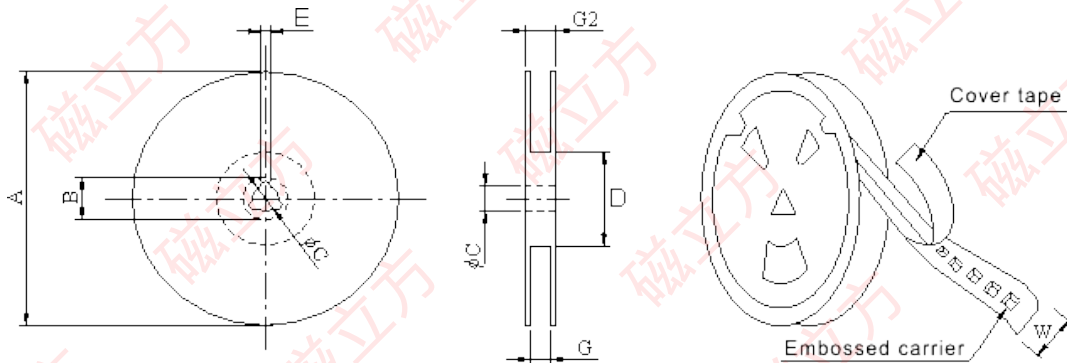
Test condition: at 25°C 100kHz/0.1V

Series	Z(Ω) at 100MHz		DCR (mΩ) Max.	IDC(A) Max.	IR (mΩ) Min.	Rated Volt. (V) Max.
	Min.	Typ.				
SACM1513-551-L	450	550	4.0	10.0	10	50
SACM1513-101	60	100	2	20.0	10	50
SACM1513-301	200	300	3	18.0	10	50
SACM1513-501	400	500	4	16.0	10	50
SACM1513-551	450	550	4	16.0	10	50
SACM1513-701	500	700	6	15.0	10	50
SACM1513-102	800	1000	8	12.0	10	50
SACM1513-152	1300	1500	10	10.0	10	50
SACM1513-222	1700	2200	14	8.0	10	50
SACM1513-302	2500	3000	18	5.0	10	50

### NOTE:

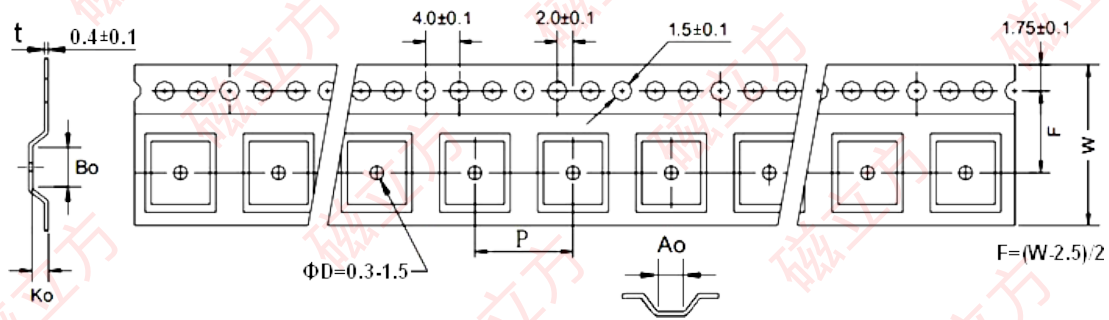
- All test data is referenced to 25°C ambient.
- Max Heat Rating DC Current would cause an approximately  $\Delta T$  of 40°C.
- Max Saturation DC Current would cause  $L_o$  to drop approximately 30%.
- The Part temperature (ambient +  $\Delta T$ ) should not exceed 85°C under worst case operating conditions.
- Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all effect the part temperature. Part temperature should be verified in the end application.

## Packing Information:



Series	Type	A(Ref.)	B(Ref.)	C(Ref.)	D(Ref.)	E(Ref.)	G(Ref.)	G2(Ref.)
SACM0402	178*12	178±1	20±0.8	13±0.5	60±1	2.0±0.5	12.5±0.5	14.5±0.5
SACM0706	330*16	330±1	20±0.8	13±0.5	100±1	2.0±0.5	16.5±0.5	20.5±0.5
SACM0907	330*24	330±1	20±0.8	13±0.5	100±1	2.0±0.5	24.5±0.5	28.5±0.5
SACM1211-L	330*24	330±1	20±0.8	13±0.5	100±1	2.0±0.5	24.5±0.5	28.5±0.5
SACM1211	330*24	330±1	20±0.8	13±0.5	100±1	2.0±0.5	24.5±0.5	28.5±0.5
SACM1513-L	330*24	330±1	20±0.8	13±0.5	100±1	2.0±0.5	24.5±0.5	28.5±0.5
SACM1513	330*32	330±1	20±0.8	13±0.5	100±1	2.0±0.5	32.5±0.5	36.5±0.5

## Packing Information:



(unit: mm)

Series	QTY (Pcs/Reel)	Ao	Bo	Ko	W	P
SACM0402	1000	5.0	5.5	2.2	12	8
SACM0706	1500	7.0±0.1	8.0±0.1	3.9±0.1	16	12
SACM0907	700	7.5±0.1	10.0±0.1	5.0±0.1	24	16
SACM1211-L	500	13.2±0.1	11.5±0.1	6.5±0.1	24	20
SACM1211	500	13.2±0.1	11.5±0.1	6.5±0.1	24	20
SACM1513-L	500	13.4±0.1	15.5±0.1	7.0±0.1	24	16
SACM1513	400	13.4±0.1	15.5±0.1	7.0±0.1	32	20

## Typical Pulling Force: 10-130 grams

