

### • Applications



### • Electrical Parameters

**Electrical Characteristics** at + 25°C unless otherwise specified  
**Operating Temperature** - 55°C, + 125°C  
**Temperature Coefficient** ± 15% with 0Vdc applied  
**Dissipation Factor** ≤ 0.025

#### Insulation Resistance (IR)

25°C/Un 10<sup>5</sup> MOhm or 1000 Ohm-Farad whichever is less  
 125°C/Un 10<sup>4</sup> MOhm or 100 Ohm-Farad whichever is less

#### Dielectric Strength Test

Performed per method 103 of EIA 198-2-E

Applied test voltages :

200Vdc-rated : 250% of rated voltage

500Vdc-rated : 200% of rated voltage

### • Quick Reference Data

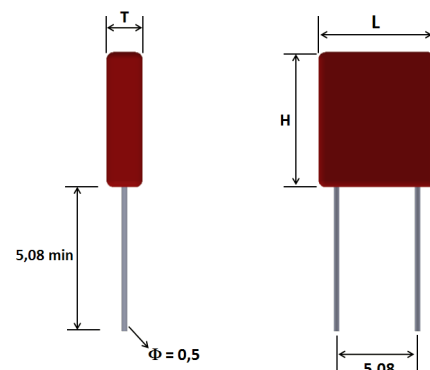
	SRMC32	SRMC41	SRMC43	SRMC44
200V	1pF - 4.7nF	1pF - 4.7nF	1nF - 6.8nF	4.7nF - 12nF
500V	1pF - 1.5nF	1pF - 1.5nF	1nF - 3.3nF	2.2nF - 5.6nF

### • Ordering Information

SRMC41	A	101	K	A	V	XX
STYLE	DIELECTRIC	CAPACITANCE	TOLERANCE	VOLTAGE	PACKAGING	SPECIAL REQUIREMENT
SRMC32 SRMC41 SRMC43 SRMC44	A = NPO	Expressed in picofarads (pF). The first two digits are significant, the third digit give the number of noughts. Example : 102 = 1000pF	C = ± 0.25pF D = ± 0.5pF F = ± 1% G = ± 2% J = ± 5% K = ± 10%	C = 200V E = 500V	B = 7" reel V = Bulk	

### • Dimensions in millimeters

SRMC Style	SRMC32	SRMC41	SRMC43	SRMC44
Lead spacing ± 0,76 mm	2.54	5.08	5.08	5.08
Height (H) max	5.1	5.1	6.5	7.6
Length (L) max	5.1	5.1	6.5	7.6
Thickness (T) max	3.2	3.2	3.2	3.2
Leads diameter nominal	0.5	0.5	0.5	0.5



• Standard Sizes : SRMC32 to SRMC44

SIZE		SRMC32		SRMC41		SRMC43		SRMC44	
Voltage (Vdc)		200	500	200	500	200	500	200	500
Cap. Code	Capacitance								
1R0	1pF								
1R2	1.2pF								
1R5	1.5pF								
1R8	1.8pF								
2R2	2.2pF								
2R7	2.7pF								
3R3	3.3pF								
3R9	3.9pF								
4R7	4.7pF								
5R6	5.6pF								
6R8	6.8pF								
8R2	8.2pF								
100	10pF								
120	12pF								
150	15pF								
180	18pF								
220	22pF								
270	27pF								
330	33pF								
390	39pF								
470	47pF								
560	56pF								
680	68pF								
820	82pF								
101	100pF								
121	120pF								
151	150pF								
181	180pF								
221	220pF								
271	270pF								
331	330pF								
391	390pF								
471	470pF								
561	560pF								
681	680pF								
821	820pF								
102	1nF								
122	1.2nF								
152	1.5nF								
182	1.8nF								
222	2.2nF								
272	2.7nF								
332	3.3nF								
392	3.9nF								
472	4.7nF								
562	5.6nF								
682	6.8nF								
822	8.2nF								
103	10nF								
123	12nF								
153	15nF								
183	18nF								
223	22nF								
273	27nF								
333	33nF								
393	39nF								
473	47nF								
563	56nF								
683	68nF								
823	82nF								