

100 Volt d.c. X7R		Tolerance (±%)	Dimensions			Mfrs. List No.	Order Code
pF	nF		H	W	D		
1000	1.0	10	4.83	4.83	2.28	MR051C102KTA	570-722
2200	2.2	10	4.83	4.83	2.28	MR051C222KTA	570-734
3300	3.3	10	4.83	4.83	2.28	MR051C332KTA	570-746
4700	4.7	10	4.83	4.83	2.28	MR051C472KTA	570-758
4700	4.7	20	4.83	4.83	2.28	MR051C472MTA	570-760
10000	10	20	4.83	4.83	2.28	MR051C103MTA	570-783
10000	10	10	4.83	4.83	2.28	MR051C103KTA	570-795
22000	22	10	4.83	4.83	2.28	MR051C223KTA	570-801

CAP223A

100 Volt d.c. X7R		Price Each				
pF	Order Code	1+	50+	100+	500+	1000+
1000	570-722					
2200	570-734					
3300	570-746					
4700	570-758					
4700	570-760					
10000	570-783					
10000	570-795					
22000	570-801					

50 Volt d.c. X7R		Tolerance (±%)	Dimensions			Mfrs. List No.	Order Code
pF	nF		H	W	D		
22000	22	10	4.83	4.83	2.28	MR055C223KTA	570-813
33000	33	10	4.83	4.83	2.28	MR055C333KTA	570-825
47000	47	10	4.83	4.83	2.28	MR055C473KTA	570-837
100000	100	10	4.83	4.83	2.28	MR055C104KTA	570-977

50 Volt d.c. X7R		Price Each				
pF	Order Code	1+	50+	100+	500+	1000+
22000	570-813					
33000	570-825					
47000	570-837					
100000	570-977					

100 Volt d.c. X7R		Tolerance (±%)	Dimensions			Mfrs. List No.	Order Code
pF	nF		H	W	D		
10000	10	10	7.36	7.36	2.28	MR061C103KTA	570-850
15000	15	10	7.36	7.36	2.28	MR061C153KTA	570-862
22000	22	10	7.36	7.36	2.28	MR061C223KTA	570-874
33000	33	10	7.36	7.36	2.28	MR061C333KTA	570-886
47000	47	10	7.36	7.36	2.28	MR061C473KTA	570-898
100000	100	10	7.36	7.36	2.28	MR061C104KTA	570-904
100000	100	20	7.36	7.36	2.28	MR061C104MTA	570-916

100 Volt d.c. X7R		Price Each				
pF	Order Code	1+	50+	100+	500+	1000+
10000	570-850					
15000	570-862					
22000	570-874					
33000	570-886					
47000	570-898					
100000	570-904					
100000	570-916					

50 Volt d.c. X7R		Tolerance (±%)	Dimensions			Mfrs. List No.	Order Code
pF	nF		H	W	D		
220000	220	10	7.36	7.36	2.28	MR065C224KTA	570-928
330000	330	10	7.36	7.36	2.28	MR065C334KTA	570-930
470000	470	10	7.36	7.36	2.28	MR065C474KTA	570-941
1000000	1000	10	7.36	7.36	2.28	MR065C105KTA	570-953
1000000	1000	20	7.36	7.36	2.28	MR065C105MTA	570-965

CAP223B

50 Volt d.c. X7R		Price Each				
pF	Order Code	1+	50+	100+	500+	1000+
220000	570-928					
330000	570-930					
470000	570-941					
1000000	570-953					
1000000	570-965					

SA - 'Spinguard' Series



Lead length = 20 mm.
Lead dia = 0.508



Bandoliered box quantities = 4K pcs (108-996, 108-996 = 2K pcs)

- 'Spinguard' axial dipped multilayer ceramic capacitors
- Choice of dielectric, tolerance and voltage
- Approved to CECC 30-601-010 (NPO)
CECC 30-701-014 (X7R)
CECC 30-701-015 (2F4)

Performance Characteristics

	NPO	X7R	2F4
Operating temperature	-55°C to +125°C	-55°C to +125°C	-25°C to +85°C
Temperature coefficient	0±30ppm/°C for C >20pF 0+120-40ppm/°C for ≤20pF	±20%	+30% -80%
Insulation resistance	100000MΩ or 1000 sec. (MΩ μF) Whichever is less	100000MΩ or 1000 sec. (MΩ μF) Whichever is less	>10000MΩ or 100 sec. (M μF) Whichever is less
Proof voltage	2.5VR	2.5VR	2VR
Climatic category	55/125/56	55/125/56	25/085/56

N.B. For ease of selection, capacitance value is listed in both pF and nF, or μF and nF

		Dimensions			
pF	nF	L	Dia.	Mfrs. List No.	Order Code
1000	1.0	4.3	2.54	SA105A102JAATB	430-791

Order Multiple=10

50 Volt d.c. NPO		Price Each				
pF	Order Code	10+	50+	100+	500+	1000+
1000	430-791					

		Dimensions			
pF	nF	L	Dia.	Mfrs. List No.	Order Code
10	0.01	4.32	2.54	SA102A100JAATB	108-981
22	0.022	4.32	2.54	SA102A220JAATB	108-982
47	0.047	4.32	2.54	SA102A470JAATB	108-983
100	0.1	4.32	2.54	SA102A101JAATB	108-984
220	0.22	4.32	2.54	SA102A221JAATB	108-985
470	0.47	4.32	2.54	SA102A471JAATB	108-986

Order Multiple=10

200 Volt d.c. NPO		Price Each				
pF	Order Code	10+	50+	100+	500+	1000+
10	108-981					
22	108-982					
47	108-983					
100	108-984					
220	108-985					
470	108-986					

		Dimensions			
μF	nF	L	Dia.	Mfrs. List No.	Order Code
0.01	10	4.32	2.54	SA105C103KAATB	108-990
0.1	100	4.32	3.05	SA115C104KAATB	430-870

Order Multiple=10

50 Volt d.c. X7R		Price Each				
μF	Order Code	10+	50+	100+	500+	1000+
0.01	108-990					
0.1	430-870					

		Dimensions			
μF	nF	L	Dia.	Mfrs. List No.	Order Code
0.001	1	4.32	2.54	SA101C102KAATB	108-987
0.0022	2.2	4.32	2.54	SA101C222KAATB	108-988
0.0047	4.7	4.32	2.54	SA101C472KAATB	108-989

Order Multiple=10

100 d.c. Volt X7R		Price Each				
μF	Order Code	10+	50+	100+	500+	1000+
0.001	108-987					
0.0022	108-988					
0.0047	108-989					

		Dimensions			
μF	nF	L	Dia.	Mfrs. List No.	Order Code
0.01	10	4.32	2.54	SA105E103MAATB	430-912
0.022	22	4.32	2.54	SA105E223MAATB	108-991
0.047	47	4.32	2.54	SA105E473MAATB	108-992
0.1	100	4.32	2.54	SA105E104MAATB	108-993
0.22	220	6.60	2.54	SA205E224MAATB	108-994
0.47	470	6.90	3.81	SA305E474MAATB	108-995
1.0	1000	6.90	3.81	SA305E105MAATB	108-996

CAP117

Order Multiple=10

50 Volt d.c. 2F4		Price Each				
μF	Order Code	10+	50+	100+	500+	1000+
0.01	430-912					
0.022	108-991					
0.047	108-992					
0.1	108-993					
0.22	108-994					
0.47	108-995					
1.0	108-996					

continued