

Operating temp.	1000V to 3000V 4000V to 15000V	-25°C to +105°C -25°C to +85°C	Insulation resistance @ 500V Proof voltage	10000MΩ 1.5 VR
Tolerance	1000V to 3000V 4000V to 15000V	±10% ±20%	Proof power factor	0.025
Temp. coefficient	1000V to 3000V 4000V to 15000V	±10% +20%-30%		

1000 Volt d.c.							
pF	nF	Body dia.	Body thickness	Lead pitch	Lead Dia.	Mftrs. List No.	Order Code
100	0.1	6	4.5	5	0.6	ECKA3A101KBP	969-7128
220	0.22	6	4.5	5	0.6	ECKA3A221KBP	969-7136
470	0.47	6	4.5	5	0.6	ECKA3A471KBP	969-7144
1000	1	9	4.5	5	0.6	ECKA3A102KBP	969-7152
2200	2.2	12	4.5	5	0.6	ECKA3A222KBP	969-7160
4700	4.7	15.5	4.5	10	0.65	ECKA3A472KBP	969-7179

1000 Volt d.c. Price Each							
pF	Order Code	10+	50+	100+	250+	+	+
100	969-7128	8.00	7.00	7.00	6.00	--	--
220	969-7136	8.00	7.00	7.00	6.00	--	--
470	969-7144	8.00	7.00	7.00	6.00	--	--
1000	969-7152	9.00	8.00	8.00	7.00	--	--
2200	969-7160	13.00	12.00	11.00	10.00	--	--
4700	969-7179	19.00	18.00	16.00	14.00	--	--

† Subject to design change - to be supplied with kinked leads

2000 Volt d.c.							
pF	nF	Body dia.	Body thickness	Lead pitch	Lead Dia.	Mftrs. List No.	Order Code
100	0.1	7	5	7.5	0.6	ECKA3D101KBP	969-7195
220	0.22	7	5	7.5	0.6	ECKA3D221KBP	969-7209
470	0.47	7	5	7.5	0.6	ECKA3D471KBP	969-7217
1000	1	10	5	7.5	0.6	ECKA3D102KBP	969-7225
2200	2.2	14	5	10	0.65	ECKA3D222KBP	969-7233
4700	4.7	25	5	10	0.8	ECKA3D472KBP	969-7241

Order Multiple=10 2000 Volt d.c. Price Each							
pF	Order Code	10+	50+	100+	250+	+	+
100	969-7195	10.00	9.00	8.00	7.00	--	--
220	969-7209	10.00	9.00	8.00	7.00	--	--
470	969-7217	11.00	10.00	9.00	8.00	--	--
1000	969-7225	14.00	13.00	11.00	10.00	--	--
2200	969-7233	26.00	24.00	22.00	19.00	--	--
4700	969-7241	43.00	39.00	35.00	31.00	--	--

† Subject to design change - to be supplied with kinked leads

3000 Volt d.c.							
pF	nF	Body dia.	Body thickness	Lead pitch	Lead Dia.	Mftrs. List No.	Order Code
100	0.1	7.5	6	7.5	0.65	ECKA3F101KBP	969-7250
220	0.22	7.5	6	7.5	0.65	ECKA3F221KBP	969-7268
470	0.47	9.5	6	7.5	0.65	ECKA3F471KBP	969-7276
1000	1	12.5	6	7.5	0.65	ECKA3F102KBP	969-7284
2200	2.2	17	6	10	0.65	ECKA3F222KBP	969-7292

3000 Volt d.c. Price Each							
pF	Order Code	10+	50+	100+	250+	+	+
100	969-7250	11.00	10.00	9.00	8.00	--	--
220	969-7268	11.00	10.00	9.00	8.00	--	--
470	969-7276	12.00	11.00	10.00	9.00	--	--
1000	969-7284	20.00	18.00	16.00	14.00	--	--
2200	969-7292	38.00	35.00	31.00	27.00	--	--

† Subject to design change - to be supplied with kinked leads

4000 Volt d.c.							
pF	nF	Body dia.	Body thickness	Lead pitch	Lead Dia.	Mftrs. List No.	Order Code
220	0.22	7	7	7.5	0.65	ECKD3G221MDU	969-7306
470	0.47	8.5	7	7.5	0.65	ECKD3G471MDU	969-7314
1000	1	11.5	7	10	0.65	ECKD3G102MDU	969-7322
2200	2.2	16	7	10	0.65	ECKD3G222MDU	969-7330

6000 Volt d.c.							
pF	nF	Body dia.	Body thickness	Lead pitch	Lead Dia.	Mftrs. List No.	Order Code
100	0.1	8	8	10	0.65	ECKD3J101MDU	969-7349
220	0.22	8	8	10	0.65	ECKD3J221MDU	969-7357
470	0.47	11.5	8	10	0.8	ECKD3J471MDU	969-7365
1000	1	15	8	10	0.8	ECKD3J102MDU	969-7373
2200	2.2	21.5	8	10	0.8	ECKD3J222MDU	969-7381

Price Each							
pF	Order Code	1+	50+	100+	250+	+	+
100	969-7349	17.00	16.00	14.00	13.00	--	--
220	969-7357	16.00	14.00	13.00	11.00	--	--
470	969-7365	28.00	25.00	22.00	20.00	--	--
1000	969-7373	45.00	41.00	37.00	32.00	--	--
2200	969-7381	67.00	62.00	55.00	49.00	--	--

8000 Volt d.c.							
pF	nF	Body dia.	Body thickness	Lead pitch	Lead Dia.	Mftrs. List No.	Order Code
220	0.22	8.5	9	10	0.65	ECKD3K221MDU	969-7390

8000 Volt d.c. Price Each							
pF	Order Code	1+	50+	100+	250+	+	+
220	969-7390	30.00	27.00	24.00	22.00	--	--

10000 Volt d.c.							
pF	nF	Body dia.	Body thickness	Lead pitch	Lead Dia.	Mftrs. List No.	Order Code
220	0.22	9.5	9	10	0.65	ECKD4A221MDV	969-7411
470	0.47	13	9	10	0.8	ECKD4A471MDV	969-7420
1000	1	16.5	9	10	0.8	ECKD4A102MDV	969-7438

10000 Volt d.c. Price Each					
pF	Order Code	1+	50+	100+	250+
100	969-7403	31.00	28.00	26.00	22.00
220	969-7411	43.00	39.00	35.00	31.00
470	969-7420	81.00	75.00	67.00	60.00
1000	969-7438	125.00	114.00	102.00	90.00

15000 Volt d.c.							
pF	nF	Body dia.	Body thickness	Lead pitch	Lead Dia.	Mftrs. List No.	Order Code
100	0.1	8	10	10	0.65	ECKD4C101MDV	969-7446
220	0.22	10	10	10	0.65	ECKD4C221MDV	969-7454
470	0.47	13.5	10	10	0.8	ECKD4C471MDV	969-7462
1000	1	19	10	10	0.8	ECKD4C102MDV	969-7470

15000 Volt d.c. Price Each							
pF	Order Code	1+	50+	100+	250+	+	+
100	969-7446	55.00	50.00	45.00	40.00	--	--
220	969-7454	68.00	62.00	55.00	49.00	--	--
470	969-7462	203.00	185.00	165.00	146.00	--	--
1000	969-7470	138.00	126.00	112.00	99.00	--	--

2222 680 Series – Low K, 100 Volt d.c.



- 2.54mm pitch
- Low loss, close tolerance
- High stability for temperature compensation in tuned circuits

Lead length=13, Lead dia.=0.6

Operating temperature	-55°C to +85°C	Tolerance	±0.25pF for C ≤8.2pF
Insulation resistance	>100000MΩ		±2% for C ≥10pF
Temperature coefficient	0 ± 30ppm/°C for C ≤18pF -150 ± 30ppm/°C for C 22pF to 150pF -750 ± 120ppm/°C for ≥180pF	Proof voltage	300V
		Climatic category	55/085/21

pF	Dimensions			Mftrs. List No.	Order Code
	H	W	D		
1.8	5	3.6	2.3	2222 680 09188	113-8829
2.2	5	3.6	2.3	2222 680 09228	113-8831
2.7	5	3.6	2.3	2222 680 09278	113-8833
3.3	5	3.6	2.3	2222 680 09338	113-8834
3.9	5	3.6	2.3	2222 680 09398	113-8835
4.7	5	3.6	2.3	2222 680 09478	113-8836
5.6	5	3.6	2.3	2222 680 09568	113-8837
6.8	5	3.6	2.3	2222 680 09688	113-8838
8.2	5	3.6	2.3	2222 680 09828	113-8839
10	5	3.6	2.3	2222 680 10109	113-8840
12	5	3.6	2.3	2222 680 10129	113-8841
15	5	3.6	2.3	2222 680 10159	113-8842
18	5	3.6	2.3	2222 680 10189	113-8843
22	5	3.6	2.3	2222 680 34229	113-8845
27	5	3.6	2.3	2222 680 34279	113-8846
33	5	3.6	2.3	2222 680 34339	113-8847
39	5.3	3.9	2.3	2222 680 34399	113-8848
47	5.3	3.9	2.3	2222 680 34479	113-8849
56	6	4.5	2.3	2222 680 34569	113-8850
68	6	4.5	2.3	2222 680 34689	113-8851
82	6.6	5.1	2.3	2222 680 34829	113-8852
100	6.6	5.1	2.3	2222 680 34101	113-8854
120	7.7	6.2	2.3	2222 680 34121	113-8855
150	7.7	6.2	2.3	2222 680 34151	113-8857
180	7.7	6.2	2.3	2222 680 58181	113-8858
220	7.7	6.2	2.3	2222 680 58221	113-8859
270	10.3	6.2	2.3	2222 680 58271	113-8860
330	10.3	6.2	2.3	2222 680 58331	113-8861

Order Multiple=10 Price Each					
pF	Order Code	10+	100+	1K+	10K+
1.8	113-8829	14.00	7.00	5.00	4.00
2.2	113-8831	12.00	6.00	5.00	4.00
2.7	113-8833	12.00	6.00	5.00	4.00
3.3	113-8834	11.00	6.00	4.00	4.00
3.9	113-8835	12.00	6.00	5.00	4.00
4.7	113-8836	11.00	6.00	4.00	4.00
5.6	113-8837	11.00	6.00	5.00	4.00
6.8	113-8838	11.00	6.00	4.00	4.00
8.2	113-8839	11.00	6.00	4.00	4.00
10	113-8840	11.00	6.00	4.00	4.00
12	113-8841	11.00	6.00	5.00	4.00
15	113-8842	11.00	6.00	4.00	4.00
18	113-8843	11.00	6.00	4.00	4.00
22	113-8845	11.00	6.00	4.00	4.00
27	113-8846	11.00	6.00	5.00	4.00
33	113-8847	11.00	6.00	4.00	4.00
39	113-8848	9.00	5.00	4.00	2.00
47	113-8849	12.00	6.00	5.00	4.00
56	113-8850	12.00	6.00	5.00	4.00
68	113-8851	13.00	7.00	5.00	4.00
82	113-8852	13.00	7.00	5.00	4.00
100	113-8854	14.00	7.00	6.00	4.00
120	113-8855	15.00	8.00	6.00	5.00

Capacitors

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Compliant
Non-compliant
RoHS
+ Limited stock - RoHS replacement available