

Aluminium Electrolytic – Radial – Continued

NHE Series – 105°C – continued

400 Volt d.c.	Ripple (mA)	Dimensions L Dia.	Lead Dia.	Lead Pitch	Mftrs. List No.	Order Code
1.0	18	12.5 10	0.6	5	ECEA2GGE101	699-081
2.2	30	16 10	0.6	5	ECEA2GGE2R2	699-093
3.3	40	20 10	0.6	5	ECEA2GGE3R3	699-100
4.7	45	20 10	0.6	5	ECEA2GGE4R7	699-111
10	79	25 12.5	0.6	5	ECEA2GGE100	699-123
22	145	25 16	0.8	7.5	ECEA2GGE220	699-135
47	230	31.5 18	0.8	7.5	ECEA2GGE470	699-159

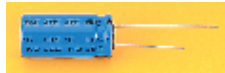
CAP197

Order Multiple=5

400 Volt d.c.	Order Code	5+	50+	100+	500+	1000+
1.0	699-081†					
2.2	699-093†					
3.3	699-100†					
4.7	699-111†					
10	699-123†					
22	699-135†					
47	699-159†					

†Available until stocks are exhausted

2222 152 Series – 105°C Formerly 152 RMH Series



Lead length = 5

- High voltage radial electrolytic
- Long life high temperature
- Applications include filtering, decoupling high voltages

Operating temperature Tolerance	-40°C to +105°C ±20%	Useful life @105°C	case 10 and 12.5 dia.	3000hrs 4000 hrs					
Voltage	µF	Ripple (mA)	ESR (Ω)	Impedance (Ω)	Dim. H Dia.	Lead Dia.	Lead Pitch	Mftrs. List No.	Order Code
200	10	85	19.1	6.3	12	10	0.6	5	2222 152 62109 322-7923
200	22	120	8.7	3.2	16	10	0.6	5	2222 152 62229 322-7935
200	47	240	4.1	0.8	20	12.5	0.6	5	2222 152 62479 322-7947
200	100	340	1.9	0.4	20	16	0.8	7.5	2222 152 62101 322-7959
250	47	18	4.1	0.9	25	12.5	0.6	5	2222 152 63479 322-7960
400	4.7	15	50.8	18	16	10	0.6	5	2222 152 66478 322-7972
400	10	16	23.9	9	20	10	0.6	5	2222 152 66109 322-7984
400	22	18	10.9	3.8	25	12.5	0.6	5	2222 152 66229 322-7996
400	47	18	5.1	2	25	16	0.8	7.5	2222 152 66479 322-8009
450	10	17	31.8	10	20	12.5	0.6	5	2222 152 67109 322-8010
450	22	19	14.5	4.6	25	16	0.6	7.5	2222 152 67229 322-8022

CAP269

Voltage	µF	Order Code	1+	50+	100+	1000+	2000+
200	10	322-7923					
200	22	322-7935					
200	47	322-7947					
200	100	322-7959					
250	47	322-7960					
400	4.7	322-7972					
400	10	322-7984					
400	22	322-7996					
400	47	322-8009					
450	10	322-8010					
450	22	322-8022					

HD Series – Low Impedance 105°C



- High performance miniature radial electrolytic
- High temperature – 105°C
- Low impedance
- High ripple current capability
- Laminated case
- Markings on case top for easy identification in high density board population

Operating temperature Tolerance	-40°C to +105°C ±20%	Useful life @ 85°C	2000 hrs				
DC leakage current (max)	0.01CV or 3µA whichever greater	Impedance measured at	100kHz @ 20°C				
DC leakage current (max)	0.01CV or 3µA whichever greater	Ripple current measured at	100kHz @ 105°C				
µF	Ripple (mA)	Impedance (Ω)	Dimensions H Dia.	Lead Dia.	Lead Pitch	Mftrs. List No.	Order Code
6.3 Volt d.c.							
1000	1030	0.053	12.5	10	0.6	5.0	UHD0J102MPR 344-9701
2200	2150	0.022	25	10	0.6	5.0	UHD0J222MPR 344-9713
4700	3290	0.016	31.5	12.5	0.8	5.0	UHD0J472MHR 344-9725
10 Volt d.c.							
100	250	0.3	11	5	0.5	2.0	UHD1A101MDR 344-9737
470	760	0.072	11.5	8	0.6	3.5	UHD1A471MPR 344-9749
1000	1430	0.038	16	10	0.6	5.0	UHD1A102MPR6 344-9750
2200	2360	0.021	35.5	12.5	0.8	5.0	UHD1A222MHR 344-9762
16 Volt d.c.							
470	1030	0.053	12.5	10	0.6	5.0	UHD1C471MPR6 344-9774
1000	1820	0.023	20	10	0.6	5.0	UHD1C102MPR 344-9786
2200	2770	0.018	25	12.5	0.8	5.0	UHD1C222MHR 344-9798

continued

µF	Ripple (mA)	Impedance (Ω)	Dimensions H Dia.	Lead Dia.	Lead Pitch	Mftrs. List No.	Order Code
25 Volt d.c.							
47	250	0.3	11	5	0.5	2.0	UHD1E470MDR 344-9804
100	405	0.13	11	6.3	0.5	2.5	UHD1E101MER 344-9816
470	1430	0.038	16	10	0.6	5.0	UHD1E471MPR6 344-9828
1000	2360	0.021	20	12.5	0.6	5.0	UHD1E102MHR 344-9830
35 Volt d.c.							
220	1030	0.042	12.5	10	0.6	5.0	UHD1V221MPR6 344-9841
470	1820	0.027	20	10	0.6	5.0	UHD1V471MPR 344-9853
1000	2770	0.021	25	12.5	0.8	5.0	UHD1V102MHR 344-9865
50 Volt d.c.							
22	238	0.34	11	5	0.5	2.0	UHD1H220MDR 344-9877
100	724	0.074	11.5	8	0.6	3.5	UHD1H101MPR 344-9889
470	2050	0.027	20	12.5	0.6	5.0	UHD1H471MHR 344-9890
1000	3010	0.021	25	16	0.8	7.5	UHD1H102MHR 344-9907

CAP286

µF	Order Code	1+	50+	100+	500+	1000+
6.3 Volt d.c.						
1000	344-9701					
2200	344-9713					
4700	344-9725					
10 Volt d.c.						
100	344-9737					
470	344-9749					
1000	344-9750					
2200	344-9762					
16 Volt d.c.						
470	344-9774					
1000	344-9786					
2200	344-9798					
25 Volt d.c.						
47	344-9804					
100	344-9816					
470	344-9828					
1000	344-9830					
35 Volt d.c.						
220	344-9841					
470	344-9853					
1000	344-9865					
50 Volt d.c.						
22	344-9877					
100	344-9889					
470	344-9890					
1000	344-9907					

FC Series – Low Impedance 105°C



- High performance miniature radial electrolytic
- High temperature 105°C
- Low impedance
- Long life

Operating temperature Tolerance	-55°C to +105°C ±20%	Operating life @ 105°C	Dependent on case dia.
Leakage current	0.01CV or 3µA whichever is greater	100kHz @ 105°C	4.0 to 6.3 1000hrs 8.0 2000hrs 10 3000hrs 12.5 5000hrs
Ripple current measured at	100kHz @ 20°C	Impedance measured at	100kHz @ 20°C

µF	Ripple (mA)	Impedance (Ω)	Dimensions H Dia.	Lead Dia.	Lead Pitch	Mftrs. List No.	Order Code
6.3 Volt d.c.							
560	555	0.117	11.5	8	0.6	3.5	EEUFC0J561 303-5955
1000	755	0.09	12.5	10	0.6	5.0	EEUFC0J102 303-5967
1200	1050	0.068	16	10	0.6	5.0	EEUFC0J122 303-5979
2700	1690	0.043	15	16	0.8	7.5	EEUFC0J272S 303-5980
3900	1945	0.03	25	12.5	0.6	5.0	EEUFC0J392 303-5992
4700	2310	0.025	30	12.5	0.8	5.0	EEUFC0J472 303-6005
5600	2205	0.029	20	16	0.8	7.5	EEUFC0J562 303-6017
6800	2555	0.022	25	16	0.8	7.5	EEUFC0J682 303-6029
10 Volt d.c.							
180	290	0.35	11.2	6.3	0.5	2.5	EEUFC1A181 303-6030
220	400	0.25	15	6.3	0.5	2.5	EEUFC1A221 303-6042
470	555	0.117	11.5	8	0.6	3.5	EEUFC1A471 303-6054
1000	1050	0.068	16	10	0.6	5.0	EEUFC1A102 303-6066
1200	1220	0.052	20	10	0.6	5.0	EEUFC1A122 303-6078
2200	1655	0.038	20	12.5	0.6	5.0	EEUFC1A222 303-6080
3300	2310	0.025	30	12.5	0.6	5.0	EEUFC1A332 303-6091
5600	2555	0.022	25	16	0.8	7.5	EEUFC1A562 303-6108
6800	3010	0.018	31.5	16	0.8	7.5	EEUFC1A682 303-6110
10000	3680	0.015	35.5	18	0.8	7.5	EEUFC1A103 303-6121
16 Volt d.c.							
82	235	0.5	15	5	0.5	2.0	EEUFC1C820 303-6133
180	400	0.25	15	6.3	0.5	2.5	EEUFC1C181 303-6145
330	555	0.117	11.5	8	0.6	3.5	EEUFC1C331 303-6157
470	755	0.09	12.5	10	0.6	5.0	EEUFC1C471 303-6169
820	1220	0.052	20	10	0.6	5.0	EEUFC1C821 303-6170
1200	1440	0.045	25	10	0.6	5.0	EEUFC1C122 303-6182
2200	1945	0.03	25	12.5	0.6	5.0	EEUFC1C222 303-6194
3300	2510	0.022	35	12.5	0.8	5.0	EEUFC1C332 303-6200
4700	3010	0.018	31.5	16	0.8	7.5	EEUFC1C472 303-6212
5600	3635	0.016	31.5	18	0.8	7.5	EEUFC1C562 303-6224
8200	3680	0.015	35.5	18	0.8	7.5	EEUFC1C822 303-6236

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