

+105°C General Purpose High Capacitance Miniature Axial Lead, Aluminum Electrolytic Capacitors

Features-

- +105°C, Long Life, High Performance
- High CV Per Case Size

General Specifications-

Operating Temperature:

-40 to +105°C

Voltage Range:

6.3 – 450 VDC

Capacitance Range:

1μF to 15,000μF

Capacitance Tolerance:

±20% (Std.)

Case Size Range:

6.3 X 13.0mm – 18.0 X 40.0mm

Termination:

20 ga. Axial leads with lead forming available.

Life Validation Test: 4,000hrs @ +105°C

Δ CAP ≤ 20% From initial measurement.

Δ ESR ≤ 1.5X Initial specified limit.

Δ DCL ≤ Initial specified limit.

Shelf Test: 1,000hrs @ +105°C

Δ CAP ≤ 20% From initial measurement.

Δ ESR ≤ 1.5X Initial specified limit.

Δ DCL ≤ 2X Initial specified limit.



DC Leakage Current:

$$\text{For: } 3 - 20\text{VDC} \quad I = 0.1\sqrt{CV} + 2$$

$$\text{For: } 25 - 250\text{VDC} \quad I = 0.2\sqrt{CV} + 2$$

Where:

I is in μA

C is in μF

V is in Volts

Ripple Current Multipliers:

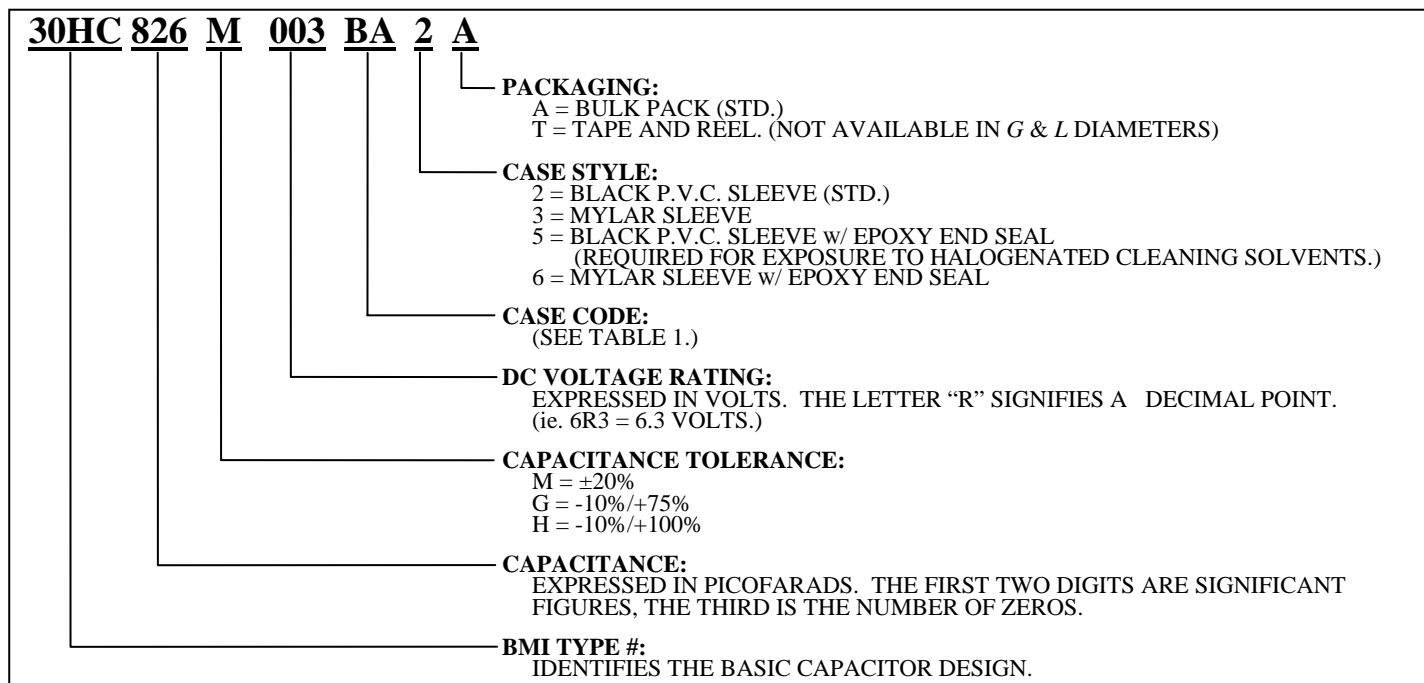
Temperature:

Ambient Temp.	+105°C	+85°C	±65°C
Multiplier	0.5	1.0	2.0

Frequency (Hz):

VDC	50-60	100-120	300-400	1k-100k
3-50	0.9	1.0	1.1	1.4
51-450	0.8	1.0	1.2	1.6

PART NUMBER BREAK-DOWN:



Axial-Leaded Capacitor Dimensions

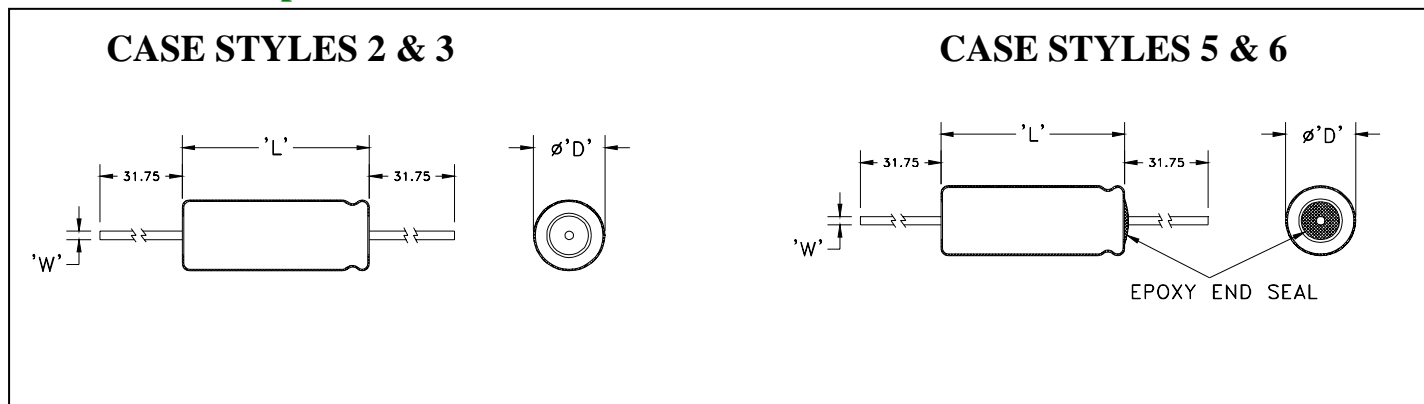


Table 1. Case Dimensions mm(in.)

CASE CODE	NOMINAL		STYLES 2& 3		STYLES 5 & 6 (w/EPOXY)		WIRE GAUGE 'W'
	'D'	'L'	'D' MAX.	'L' MAX.	'D' MAX.	'L' MAX.	
BA	6.3 (0.248)	13.0 (0.512)	7.0 (0.276)	14.4 (0.567)	7.0 (0.276)	15.9 (0.626)	No. 20 AWG (0.032)
BB	6.3 (0.248)	17.5 (0.689)	7.0 (0.276)	19.2 (0.756)	7.0 (0.276)	20.7 (0.815)	No. 20 AWG (0.032)
CB	8.0 (0.315)	17.5 (0.689)	8.6 (0.339)	19.2 (0.756)	8.6 (0.339)	20.7 (0.815)	No. 20 AWG (0.032)
CC	8.0 (0.315)	20.5 (0.807)	8.6 (0.339)	22.3 (0.878)	8.6 (0.339)	23.8 (0.937)	No. 20 AWG (0.032)
DB	9.5 (0.374)	17.5 (0.689)	10.2 (0.402)	19.2 (0.756)	10.2 (0.402)	20.7 (0.815)	No. 20 AWG (0.032)
DC	9.5 (0.374)	20.5 (0.807)	10.2 (0.402)	22.3 (0.878)	10.2 (0.402)	23.8 (0.937)	No. 20 AWG (0.032)
DD	9.5 (0.374)	24.0 (0.945)	10.2 (0.402)	25.5 (1.004)	10.2 (0.402)	27.0 (1.063)	No. 20 AWG (0.032)
DF	9.5 (0.374)	32.0 (1.260)	10.2 (0.402)	33.5 (1.319)	10.2 (0.402)	35.0 (1.378)	No. 20 AWG (0.032)
DH	9.5 (0.374)	38.0 (1.496)	10.2 (0.402)	39.8 (1.567)	10.2 (0.402)	41.3 (1.626)	No. 20 AWG (0.032)
EF	11.0 (0.433)	32.0 (1.260)	11.8 (0.465)	33.5 (1.319)	11.8 (0.465)	35.0 (1.378)	No. 20 AWG (0.032)
EH	11.0 (0.433)	38.0 (1.496)	11.8 (0.465)	39.8 (1.567)	11.8 (0.465)	41.3 (1.626)	No. 20 AWG (0.032)
FF	12.5 (0.492)	32.0 (1.260)	13.1 (0.516)	33.5 (1.319)	13.1 (0.516)	35.0 (1.378)	No. 20 AWG (0.032)
FH	12.5 (0.492)	38.0 (1.496)	13.1 (0.516)	39.8 (1.567)	13.1 (0.516)	41.3 (1.626)	No. 20 AWG (0.032)
FK	12.5 (0.492)	44.5 (1.752)	13.1 (0.516)	46.5 (1.831)	13.1 (0.516)	48.0 (1.890)	No. 20 AWG (0.032)
GH	16.0 (0.630)	38.0 (1.496)	16.6 (0.654)	39.8 (1.567)	16.6 (0.654)	41.3 (1.626)	No. 20 AWG (0.032)
GK	16.0 (0.630)	44.5 (1.752)	16.6 (0.654)	46.5 (1.831)	16.6 (0.654)	48.0 (1.890)	No. 20 AWG (0.032)
LR	18.0 (0.709)	36.0 (1.417)	18.7 (0.736)	37.8 (1.488)	18.7 (0.736)	39.0 (1.535)	No. 20 AWG (0.032)
LS	18.0 (0.709)	40.0 (1.575)	18.7 (0.736)	42.5 (1.673)	18.7 (0.736)	43.0 (1.693)	No. 20 AWG (0.032)

STANDARD RATINGS FOR TYPE 30HC

Rated Capacitance (μF)	Catalog Number	Nominal Case Size D x L (mm)	Maximum ESR +25°C 120Hz (Ω)	Maximum Ripple Current +85°C 120Hz (A_{rms})
6.3 VOLTS DC WORKING; 8 VOLTS DC SURGE				
150	30HC157M6R3BA2A	6.3 x 13.0	2.880	0.126
270	30HC277M6R3BB2A	6.3 x 17.5	1.600	0.191
390	30HC397M6R3CB2A	8.0 x 17.5	1.000	0.245
560	30HC567M6R3CC2A	8.0 x 20.5	0.770	0.333
1,000	30HC108M6R3DC2A	9.5 x 20.5	0.600	0.474
1,500	30HC158M6R3DD2A	9.5 x 24.0	0.440	0.602
2,200	30HC228M6R3DF2A	9.5 x 32.0	0.350	0.827
2,700	30HC278M6R3DH2A	9.5 x 38.0	0.240	0.998
4,700	30HC478M6R3EH2A	11.0 x 38.0	0.140	1.423
5,600	30HC568M6R3FH2A	12.5 x 38.0	0.130	1.650
6,800	30HC688M6R3FK2A	12.5 x 44.5	0.120	1.942
10,000	30HC109M6R3GH2A	16.0 x 38.0	0.090	2.399
12,000	30HC129M6R3GK2A	16.0 x 44.5	0.080	2.837
15,000	30HC159M6R3LS2A	18.0 x 40.0	0.070	3.118
10 VOLTS DC WORKING; 12 VOLTS DC SURGE				
220	30HC227M010BB2A	6.3 x 17.5	2.000	0.186
330	30HC337M010CB2A	8.0 x 17.5	1.290	0.248
470	30HC477M010CC2A	8.0 x 20.5	1.000	0.327
820	30HC827M010DC2A	9.5 x 20.5	0.580	0.466
1,200	30HC128M010DD2A	9.5 x 24.0	0.450	0.584
1,800	30HC188M010DF2A	9.5 x 32.0	0.270	0.822
2,200	30HC228M010DH2A	9.5 x 38.0	0.220	1.029
2,700	30HC278M010EF2A	11.0 x 32.0	0.180	1.142
3,300	30HC338M010EH2A	11.0 x 38.0	0.150	1.374
3,900	30HC398M010FH2A	12.5 x 38.0	0.120	1.589
5,600	30HC568M010FK2A	12.5 x 44.5	0.100	2.013
6,800	30HC688M010GH2A	16.0 x 38.0	0.090	2.180
10,000	30HC109M010GK2A	16.0 x 44.5	0.080	2.898
12,000	30HC129M010LS2A	18.0 x 40.0	0.080	2.919
12 VOLTS DC WORKING; 15 VOLTS DC SURGE				
120	30HC127M012BA2A	6.3 x 13.0	3.600	0.123
220	30HC227M012BB2A	6.3 x 17.5	1.900	0.199
330	30HC337M012CB2A	8.0 x 17.5	1.650	0.245
470	30HC477M012CC2A	8.0 x 20.5	1.000	0.328
680	30HC687M012DC2A	9.5 x 20.5	0.680	0.456
1,000	30HC108M012DD2A	9.5 x 24.0	0.480	0.572
1,500	30HC158M012DF2A	9.5 x 32.0	0.320	0.798
1,800	30HC188M012DH2A	9.5 x 38.0	0.260	0.958
2,700	30HC278M012EF2A	11.0 x 32.0	0.160	1.170
3,300	30HC338M012EH2A	11.0 x 38.0	0.130	1.451
3,900	30HC398M012FH2A	12.5 x 38.0	0.120	1.645
4,700	30HC478M012FK2A	12.5 x 44.5	0.100	1.945
5,600	30HC568M012GH2A	16.0 x 38.0	0.098	2.254
8,200	30HC828M012GK2A	16.0 x 44.5	0.090	2.696
10,000	30HC109M012LS2A	18.0 x 40.0	0.080	2.982
16 VOLTS DC WORKING; 20 VOLTS DC SURGE				
82	30HC826M016BA2A	6.3 x 13.0	3.900	0.119
180	30HC187M016BB2A	6.3 x 17.5	2.600	0.174
220	30HC227M016CB2A	8.0 x 17.5	1.900	0.229
390	30HC397M016CC2A	8.0 x 20.5	1.270	0.305
680	30HC687M016DC2A	9.5 x 20.5	0.560	0.462

STANDARD RATINGS FOR TYPE 30HC

Rated Capacitance (μF)	Catalog Number	Nominal Case Size D x L (mm)	Maximum ESR +25°C 120Hz (Ω)	Maximum Ripple Current +85°C 120Hz (A_{rms})
16 VOLTS DC WORKING; 20 VOLTS DC SURGE (CONTINUED)				
820	30HC827M016DD2A	9.5 x 24.0	0.510	0.554
1,200	30HC128M016DF2A	9.5 x 32.0	0.350	0.762
1,800	30HC188M016DH2A	9.5 x 38.0	0.240	0.972
2,200	30HC228M016EF2A	11.0 x 32.0	0.190	1.109
3,300	30HC338M016EH2A	11.0 x 38.0	0.140	1.422
3,900	30HC398M016FK2A	12.5 x 44.5	0.114	1.820
4,700	30HC478M016GH2A	16.0 x 38.0	0.108	2.125
6,800	30HC688M016GK2A	16.0 x 44.5	0.080	2.599
8,200	30HC828M016LS2A	18.0 x 40.0	0.080	2.768
20 VOLTS DC WORKING; 25 VOLTS DC SURGE				
82	30HC826M020BA2A	6.3 x 13.0	3.700	0.118
150	30HC157M020BB2A	6.3 x 17.5	2.600	0.172
220	30HC227M020CB2A	8.0 x 17.5	1.220	0.237
330	30HC337M020CC2A	8.0 x 20.5	0.980	0.307
560	30HC567M020DC2A	9.5 x 20.5	0.576	0.440
680	30HC687M020DD2A	9.5 x 24.0	0.490	0.526
1,000	30HC108M020DF2A	9.5 x 32.0	0.323	0.737
1,500	30HC158M020DH2A	9.5 x 38.0	0.214	0.960
1,800	30HC188M020EF2A	11.0 x 32.0	0.190	1.084
2,200	30HC228M020EH2A	11.0 x 38.0	0.170	1.256
2,700	30HC278M020FH2A	12.5 x 38.0	0.150	1.485
3,300	30HC338M020FK2A	12.5 x 44.5	0.180	1.657
3,900	30HC398M020GH2A	16.0 x 38.0	0.140	2.069
5,600	30HC568M020GK2A	16.0 x 44.5	0.080	2.469
6,800	30HC688M020LS2A	18.0 x 40.0	0.070	2.732
25 VOLTS DC WORKING; 35 VOLTS DC SURGE				
68	30HC686M025BA2A	6.3 x 13.0	4.150	0.119
120	30HC127M025BB2A	6.3 x 17.5	2.350	0.181
150	30HC157M025CB2A	8.0 x 17.5	1.880	0.225
220	30HC227M025CC2A	8.0 x 20.5	1.280	0.299
330	30HC337M025DC2A	9.5 x 20.5	0.860	0.419
470	30HC477M025DD2A	9.5 x 24.0	0.600	0.516
680	30HC687M025DF2A	9.5 x 32.0	0.415	0.700
1,000	30HC108M025DH2A	9.5 x 38.0	0.282	0.922
1,200	30HC128M025EF2A	11.0 x 32.0	0.235	0.835
1,500	30HC158M025EH2A	11.0 x 38.0	0.220	1.161
1,800	30HC188M025FH2A	12.5 x 38.0	0.190	1.365
2,200	30HC228M025FK2A	12.5 x 44.5	0.190	1.612
2,700	30HC278M025GH2A	16.0 x 38.0	0.160	1.713
3,900	30HC398M025GK2A	16.0 x 44.5	0.130	1.934
4,700	30HC478M025LS2A	18.0 x 40.0	0.130	2.630
35 VOLTS DC WORKING; 45 VOLTS DC SURGE				
56	30HC566M035BA2A	6.3 x 13.0	4.900	0.092
82	30HC826M035BB2A	6.3 x 17.5	3.300	0.140
100	30HC107M035CB2A	8.0 x 17.5	2.700	0.173
150	30HC157M035CC2A	8.0 x 20.5	1.800	0.233
270	30HC277M035DC2A	9.5 x 20.5	1.000	0.334
330	30HC337M035DD2A	9.5 x 24.0	0.820	0.410
560	30HC567M035DF2A	9.5 x 32.0	0.480	0.584
680	30HC687M035DH2A	9.5 x 38.0	0.397	0.727
820	30HC827M035EF2A	11.0 x 32.0	0.330	0.815

STANDARD RATINGS FOR TYPE 30HC

Rated Capacitance (μF)	Catalog Number	Nominal Case Size D x L (mm)	Maximum ESR +25°C 120Hz (Ω)	Maximum Ripple Current +85°C 120Hz (A_{rms})
35 VOLTS DC WORKING; 45 VOLTS DC SURGE (CONTINUED)				
1,200	30HC128M035EH2A	11.0 x 38.0	0.225	1.056
1,500	30HC158M035FH2A	12.5 x 38.0	0.180	1.246
1,800	30HC188M035FK2A	12.5 x 44.5	0.180	1.448
2,700	30HC278M035GH2A	16.0 x 38.0	0.170	1.658
3,300	30HC338M035GK2A	16.0 x 44.5	0.130	2.031
3,900	30HC398M035LS2A	18.0 x 40.0	0.120	2.247
40 VOLTS DC WORKING; 50 VOLTS DC SURGE				
39	30HC396M040BA2A	6.3 x 13.0	6.000	0.086
68	30HC686M040BB2A	6.3 x 17.5	4.050	0.138
100	30HC107M040CB2A	8.0 x 17.5	3.200	0.171
150	30HC157M040CC2A	8.0 x 20.5	2.050	0.233
220	30HC227M040DC2A	9.5 x 20.5	1.200	0.320
330	30H337CM040DD2A	9.5 x 24.0	1.140	0.377
470	30HC477M040DF2A	9.5 x 32.0	0.830	0.513
680	30HC687M040DH2A	9.5 x 38.0	0.470	0.714
820	30HC827M040EF2A	11.0 x 32.0	0.360	0.815
1,200	30HC128M040EH2A	11.0 x 38.0	0.230	1.056
1,500	30HC158M040FK2A	12.5 x 44.5	0.210	1.341
2,200	30HC228M040GH2A	16.0 x 38.0	0.170	1.652
2,700	30HC278M040GK2A	16.0 x 44.5	0.140	2.108
3,300	30HC338M040LS2A	18.0 x 40.0	0.120	2.094
50 VOLTS DC WORKING; 65 VOLTS DC SURGE				
33	30HC336M050BA2A	6.3 x 13.0	7.880	0.085
56	30HC566M050BB2A	6.3 x 17.5	4.650	0.129
68	30HC686M050CB2A	8.0 x 17.5	3.460	0.162
100	30HC107M050CC2A	8.0 x 20.5	2.600	0.217
150	30HC157M050DC2A	9.5 x 20.5	1.750	0.285
220	30HC227M050DD2A	9.5 x 24.0	1.250	0.358
330	30HC337M050DF2A	9.5 x 32.0	1.100	0.501
470	30HC477M050DH2A	9.5 x 38.0	1.100	0.650
560	30HC567M050EF2A	11.0 x 32.0	0.460	0.727
820	30HC827M050EH2A	11.0 x 38.0	0.317	0.947
1,000	30HC108M050FH2A	12.5 x 38.0	0.260	1.128
1,200	30HC128M050FK2A	12.5 x 44.5	0.220	1.313
1,500	30HC158M050GH2A	16.0 x 38.0	0.180	1.542
1,800	30HC188M050GK2A	16.0 x 44.5	0.180	1.770
2,200	30HC228M050LS2A	18.0 x 40.0	0.140	2.006
63 VOLTS DC WORKING; 75 VOLTS DC SURGE				
22	30HC226M063BA2A	6.3 x 13.0	8.890	0.079
39	30HC396M063BB2A	6.3 x 17.5	6.400	0.114
56	30HC566M063CB2A	8.0 x 17.5	4.400	0.150
82	30HC826M063CC2A	8.0 x 20.5	2.920	0.199
120	30HC127M063DC2A	9.5 x 20.5	2.620	0.268
180	30HC187M063DD2A	9.5 x 24.0	1.340	0.352
270	30HC277M063DF2A	9.5 x 32.0	0.880	0.492
390	30HC397M063DH2A	9.5 x 38.0	0.630	0.642
470	30HC477M063EF2A	11.0 x 32.0	0.630	0.705
560	30HC567M063EH2A	11.0 x 38.0	0.420	0.836
680	30HC687M063FH2A	12.5 x 38.0	0.350	0.991
1,000	30HC108M063FK2A	12.5 x 44.5	0.240	1.282
1,200	30HC128M063GH2A	16.0 x 38.0	0.200	1.475

STANDARD RATINGS FOR TYPE 30HC

Rated Capacitance (μF)	Catalog Number	Nominal Case Size D x L (mm)	Maximum ESR +25°C 120Hz (Ω)	Maximum Ripple Current +85°C 120Hz (A_{rms})
63 VOLTS DC WORKING; 75 VOLTS DC SURGE (CONTINUED)				
1,500	30HC158M063GK2A	16.0 x 44.5	0.150	1.804
1,800	30HC188M063LS2A	18.0 x 40.0	0.140	1.970
80 VOLTS DC WORKING; 100 VOLTS DC SURGE				
12	30HC126M080BA2A	6.3 x 13.0	13.20	0.057
22	30HC226M080BB2A	6.3 x 17.5	7.180	0.090
27	30HC276M080CB2A	8.0 x 17.5	5.920	0.111
39	30HC396M080CC2A	8.0 x 20.5	4.100	0.146
68	30HC686M080DC2A	9.5 x 20.5	2.350	0.213
100	30HC107M080DD2A	9.5 x 24.0	1.590	0.268
120	30HC127M080DF2A	9.5 x 32.0	1.330	0.354
150	30HC157M080DH2A	9.5 x 38.0	1.060	0.430
220	30HC227M080EF2A	11.0 x 32.0	0.730	0.526
270	30HC277M080EH2A	11.0 x 38.0	0.590	0.635
330	30HC337M080FH2A	12.5 x 38.0	0.490	0.754
390	30HC397M080FK2A	12.5 x 44.5	0.410	0.886
560	30HC567M080GH2A	16.0 x 38.0	0.290	1.110
680	30HC687M080GK2A	16.0 x 44.5	0.240	1.311
820	30HC827M080LS2A	18.0 x 40.0	0.200	1.467
100 VOLTS DC WORKING; 125 VOLTS DC SURGE				
6.8	30HC685M100BA2A	6.3 x 13.0	23.30	0.050
12	30HC126M100BB2A	6.3 x 17.5	12.98	0.077
18	30HC186M100CB2A	8.0 x 17.5	9.960	0.100
22	30HC226M100CC2A	8.0 x 20.5	7.100	0.127
47	30HC476M100DC2A	9.5 x 20.5	3.310	0.201
68	30HC686M100DD2A	9.5 x 24.0	2.280	0.254
82	30HC826M100DF2A	9.5 x 32.0	1.900	0.329
120	30HC127M100DH2A	9.5 x 38.0	1.300	0.427
180	30HC187M100EH2A	11.0 x 38.0	0.870	0.571
180	30HC187M100FH2A	12.5 x 38.0	0.870	0.616
270	30HC277M100FK2A	12.5 x 44.5	0.590	0.800
390	30HC397M100GH2A	16.0 x 38.0	0.402	0.860
470	30HC477M100GK2A	16.0 x 44.5	0.332	1.210
560	30HC567M100LS2A	18.0 x 40.0	0.278	1.363
150 VOLTS DC WORKING; 175 VOLTS DC SURGE				
1.8	30HC185M150BA2A	6.3 x 13.0	90.00	0.031
3.3	30HC335M150BB2A	6.3 x 17.5	49.00	0.050
4.7	30HC475M150CB2A	8.0 x 17.5	34.40	0.063
8.2	30HC825M150CC2A	8.0 x 20.5	20.00	0.083
15	30HC156M150DC2A	9.5 x 20.5	11.00	0.125
22	30HC226M150DD2A	9.5 x 24.0	9.200	0.162
33	30HC336M150DF2A	9.5 x 32.0	5.000	0.220
47	30HC476M150DH2A	9.5 x 38.0	3.400	0.277
56	30HC566M150EH2A	11.0 x 38.0	3.000	0.390
68	30HC686M150FH2A	12.5 x 38.0	2.300	0.458
82	30HC826M150FK2A	12.5 x 44.5	1.940	0.539
120	30HC127M150GH2A	16.0 x 38.0	1.320	0.686
150	30HC157M150GK2A	16.0 x 44.5	1.060	0.824
180	30HC187M150LS2A	18.0 x 40.0	0.880	0.796
200 VOLTS DC WORKING; 250 VOLTS DC SURGE				
1.5	30HC155M200BA2A	6.3 x 13.0	105.6	0.028
3.3	30HC335M200BB2A	6.3 x 17.5	48.00	0.046

STANDARD RATINGS FOR TYPE 30HC

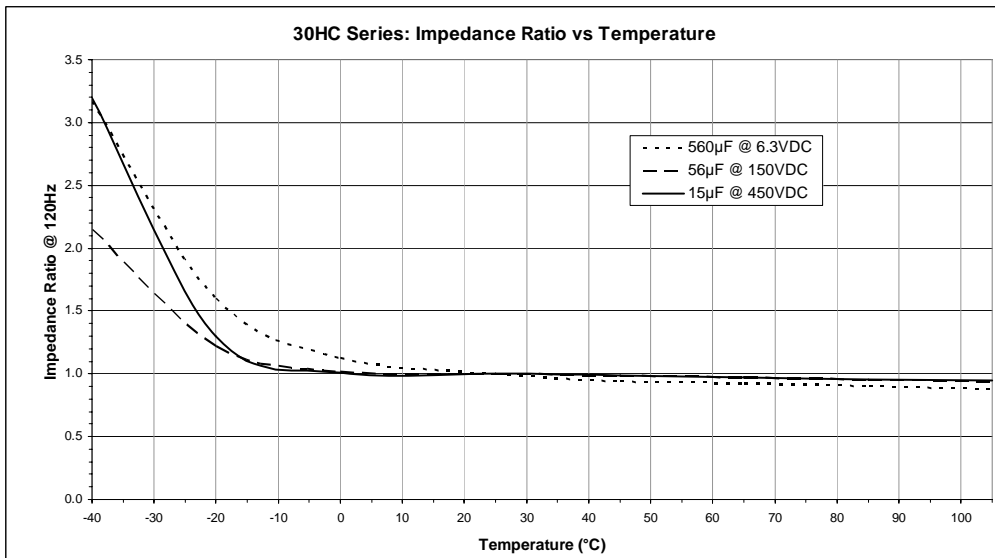
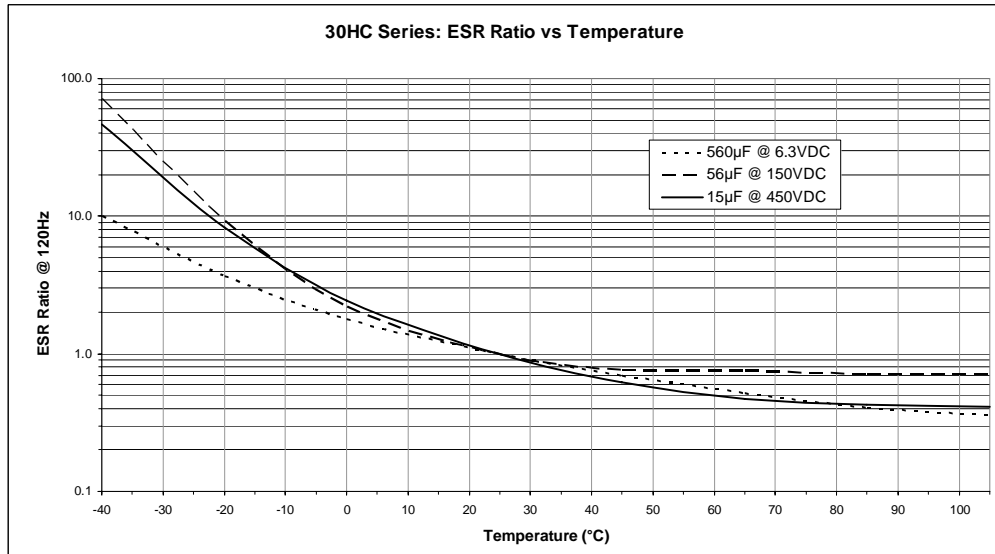
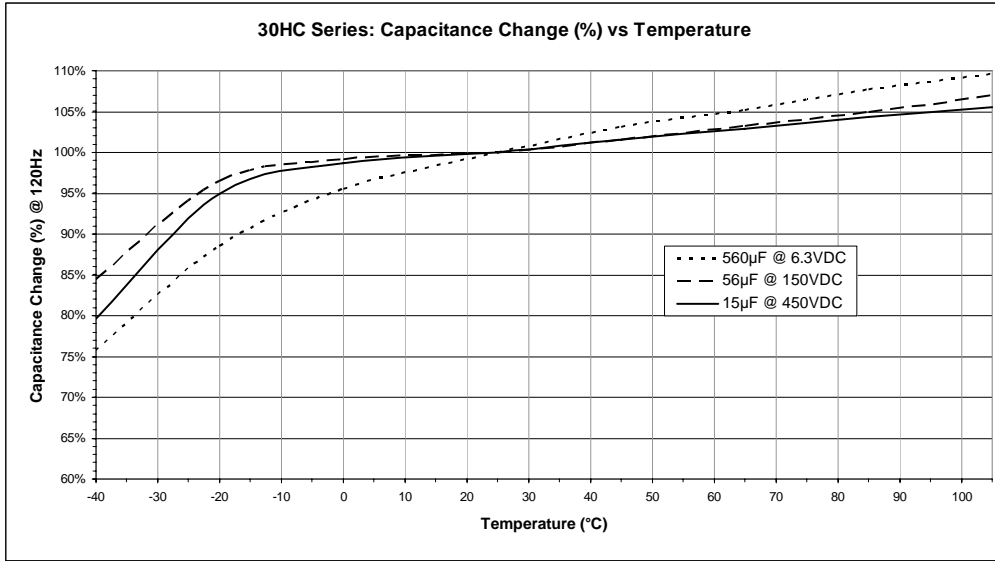
Rated Capacitance (μF)	Catalog Number	Nominal Case Size D x L (mm)	Maximum ESR +25°C 120Hz (Ω)	Maximum Ripple Current +85°C 120Hz (A_{rms})
200 VOLTS DC WORKING; 250 VOLTS DC SURGE (CONTINUED)				
4.7	30HC475M200CB2A	8.0 x 17.5	34.00	0.060
6.8	30HC685M200CC2A	8.0 x 20.5	23.20	0.079
12	30HC126M200DC2A	9.5 x 20.5	13.20	0.124
18	30HC186M200DD2A	9.5 x 24.0	8.700	0.148
27	30HC276M200DF2A	9.5 x 32.0	5.850	0.215
39	30HC396M200DH2A	9.5 x 38.0	4.200	0.264
56	30HC566M200EH2A	11.0 x 38.0	2.850	0.368
68	30HC686M200FH2A	12.5 x 38.0	2.360	0.404
82	30HC826M200FK2A	12.5 x 44.5	1.960	0.472
100	30HC107M200GH2A	16.0 x 38.0	1.600	0.601
120	30HC127M200GK2A	16.0 x 44.5	1.330	0.638
150	30HC157M200LS2A	18.0 x 40.0	1.060	0.741
250 VOLTS DC WORKING; 300 VOLTS DC SURGE				
1.2	30HC125M250BA2A	6.3 x 13.0	133.0	0.026
2.2	30HC225M250BB2A	6.3 x 17.5	73.00	0.042
3.3	30HC335M250CB2A	8.0 x 17.5	48.60	0.053
5.6	30HC565M250CC2A	8.0 x 20.5	28.00	0.076
8.2	30HC825M250DC2A	9.5 x 20.5	19.10	0.103
10	30HC106M250DD2A	9.5 x 24.0	16.00	0.128
15	30HC156M250DF2A	9.5 x 32.0	10.40	0.169
22	30HC226M250DH2A	9.5 x 38.0	7.280	0.223
33	30HC336M250EH2A	11.0 x 38.0	4.840	0.316
39	30HC396M250FH2A	12.5 x 38.0	4.100	0.355
47	30HC476M250FK2A	12.5 x 44.5	3.400	0.416
68	30HC686M250GH2A	16.0 x 38.0	2.350	0.554
82	30HC826M250GK2A	16.0 x 44.5	1.950	0.614
100	30HC107M250LS2A	18.0 x 40.0	1.600	0.723
300 VOLTS DC WORKING; 350 VOLTS DC SURGE				
0.8	30HC805M300BA2A	6.3 x 13.0	195.0	0.015
1.5	30HC155M300BB2A	6.3 x 17.5	107.0	0.030
1.8	30HC185M300CB2A	8.0 x 17.5	88.00	0.034
3.3	30HC335M300CC2A	8.0 x 20.5	48.00	0.049
4.7	30HC475M300DC2A	9.5 x 20.5	34.00	0.065
6.8	30HC685M300DD2A	9.5 x 24.0	23.50	0.082
10	30HC106M300DF2A	9.5 x 32.0	16.00	0.113
15	30HC156M300DH2A	9.5 x 38.0	10.70	0.150
22	30HC226M300EH2A	11.0 x 38.0	7.270	0.210
27	30HC276M300FH2A	12.5 x 38.0	5.920	0.237
33	30HC336M300FK2A	12.5 x 44.5	4.850	0.281
47	30HC476M300GH2A	16.0 x 38.0	3.402	0.365
56	30HC566M300GK2A	16.0 x 44.5	2.860	0.415
82	30HC826M300LS2A	18.0 x 40.0	1.950	0.522
350 VOLTS DC WORKING; 400 VOLTS DC SURGE				
0.68	30HC684M350BA2A	6.3 x 13.0	233.0	0.016
1.2	30HC125M350BB2A	6.3 x 17.5	133.0	0.025
1.5	30HC155M350CB2A	8.0 x 17.5	106.0	0.031
2.2	30HC225M350CC2A	8.0 x 20.5	73.00	0.042
4.7	30HC475M350DC2A	9.5 x 20.5	40.80	0.060
6.8	30HC685M350DD2A	9.5 x 24.0	23.50	0.082
10	30HC106M350DF2A	9.5 x 32.0	15.90	0.113
15	30HC156M350DH2A	9.5 x 38.0	10.60	0.150

STANDARD RATINGS FOR TYPE 30HC

Rated Capacitance (μF)	Catalog Number	Nominal Case Size D x L (mm)	Maximum ESR +25°C 120Hz (Ω)	Maximum Ripple Current +85°C 120Hz (A_{rms})
350 VOLTS DC WORKING; 400 VOLTS DC SURGE (CONTINUED)				
22	30HC226M350EH2A	11.0 x 38.0	7.230	0.198
33	30HC336M350FH2A	12.5 x 38.0	4.810	0.262
39	30HC396M350FK2A	12.5 x 44.5	4.080	0.304
47	30HC476M350GH2A	16.0 x 38.0	3.480	0.365
56	30HC566M350GK2A	16.0 x 44.5	2.870	0.393
82	30HC826M350LS2A	18.0 x 40.0	1.940	0.519
400 VOLTS DC WORKING; 450 VOLTS DC SURGE				
3.3	30HC335M400DC2A	9.5 x 20.5	50.00	0.053
4.7	30HC475M400DD2A	9.5 x 24.0	35.00	0.068
5.6	30HC565M400DF2A	9.5 x 32.0	29.40	0.084
8.2	30HC825M400DH2A	9.5 x 38.0	20.10	0.110
15	30HC156M400EH2A	11.0 x 38.0	11.00	0.166
22	30HC226M400FH2A	12.5 x 38.0	7.500	0.217
27	30HC276M400FK2A	12.5 x 44.5	6.110	0.258
33	30HC336M400GK2A	16.0 x 44.5	5.000	0.323
56	30HC566M400LS2A	18.0 x 40.0	2.940	0.435
450 VOLTS DC WORKING; 500 VOLTS DC SURGE				
2.2	30HC225M450DC2A	9.5 x 20.5	78.00	0.046
3.3	30HC335M450DD2A	9.5 x 24.0	52.00	0.060
4.7	30HC475M450DF2A	9.5 x 32.0	36.50	0.080
5.6	30HC565M450DH2A	9.5 x 38.0	30.70	0.097
15	30HC156M450EH2A	11.0 x 38.0	11.50	0.163
18	30HC186M450FH2A	12.5 x 38.0	9.600	0.207
22	30HC226M450FK2A	12.5 x 44.5	7.800	0.245
27	30HC276M450GK2A	16.0 x 44.5	6.200	0.307
39	30HC396M450LS2A	18.0 x 40.0	4.400	0.357

30HC TYPICAL PERFORMANCE PROFILES

TEMPERATURE CHARACTERISTICS



30HC TYPICAL PERFORMANCE PROFILES

FREQUENCY CHARACTERISTICS

