

Types CGS, CG, CGR, CGO, CGH Dimensions and Size Charts

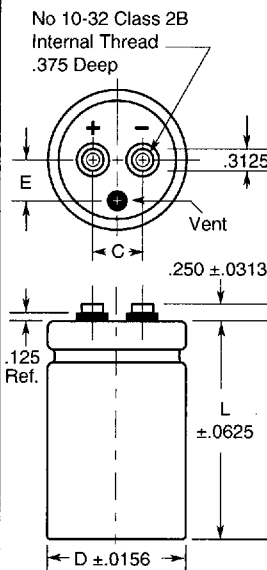
MALLORY

Case Code Chart

Uninsulated Can							
Case Code	Inches		mm		Inches	mm	Mounting Bracket
	D	L	D	L	C	C	
R2C	1.375	2.125	35	54	.500	12.7	VR3
R2L	1.375	2.625	35	67	.500	12.7	VR3
R3C	1.375	3.125	35	79.4	.500	12.7	VR3
R3L	1.375	3.625	35	92	.500	12.7	VR3
R4C	1.375	4.125	35	105	.500	12.7	VR3
R4L	1.375	4.625	35	117.5	.500	12.7	VR3
R5C	1.375	5.125	35	130	.500	12.7	VR3
R5L	1.375	5.625	35	143	.500	12.7	VR3
U2C	1.750	2.125	44.5	54	.750	19	VR6
U2L	1.750	2.625	44.5	67	.750	19	VR6
U3C	1.750	3.125	44.5	79.4	.750	19	VR6
U3L	1.750	3.625	44.5	92	.750	19	VR6
U4C	1.750	4.125	44.5	105	.750	19	VR6
U4L	1.750	4.625	44.5	117.5	.750	19	VR6
U5C	1.750	5.125	44.5	130	.750	19	VR6
U5L	1.750	5.625	44.5	143	.750	19	VR6
V2C	2.000	2.125	50.8	54	.875	22.2	VR8
V2L	2.000	2.625	50.8	67	.875	22.2	VR8
V3C	2.000	3.125	50.8	79.4	.875	22.2	VR8
V3L	2.000	3.625	50.8	92	.875	22.2	VR8
V4C	2.000	4.125	50.8	105	.875	22.2	VR8
V4L	2.000	4.625	50.8	117.5	.875	22.2	VR8
V5C	2.000	5.125	50.8	130	.875	22.2	VR8
V5L	2.000	5.625	50.8	143	.875	22.2	VR8
W3C	2.500	3.125	63.5	79.4	1.125	28.6	VR10
W3L	2.500	3.625	63.5	92	1.125	28.6	VR10
W4C	2.500	4.125	63.5	105	1.125	28.6	VR10
W4L	2.500	4.625	63.5	117.5	1.125	28.6	VR10
W5C	2.500	5.125	63.5	130	1.125	28.6	VR10
W5L	2.500	5.625	63.5	143	1.125	28.6	VR10
X3L	3.000	3.625	76.2	92	1.250	31.7	VR12
X4C	3.000	4.125	76.2	105	1.250	31.7	VR12
X4L	3.000	4.625	76.2	117.5	1.250	31.7	VR12
X5C	3.000	5.125	76.2	130	1.250	31.7	VR12
X5L	3.000	5.625	76.2	143	1.250	31.7	VR12
X5R	3.000	5.875	76.2	149	1.250	31.7	VR12
X6L	3.000	6.625	76.2	168	1.250	31.7	VR12
X7L	3.000	7.625	76.2	194	1.250	31.7	VR12
X8L	3.000	8.625	76.2	219	1.250	31.7	VR12

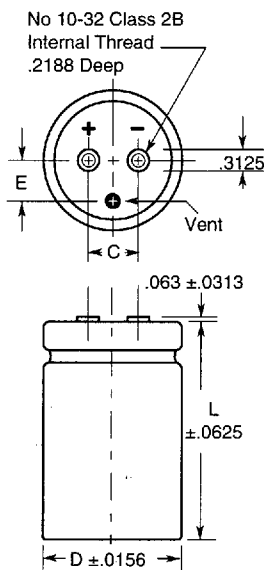
Add .015 inches to diameter and .045 inches to length for PVC insulating sleeve.

High Post (H) (Standard)



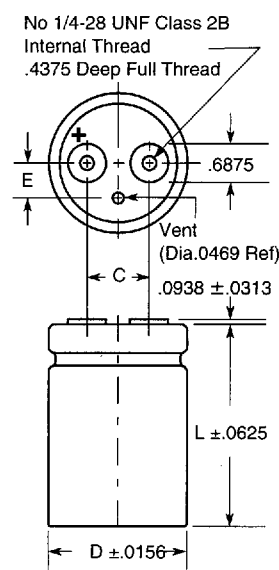
Can Dia	E
1.375	.390
1.750	.453
2.000	.500
2.500	.625
3.000	.750

Low Post (L)



Can Dia	E
1.375	.390
1.750	.453
2.000	.500
2.500	.625
3.000	.750

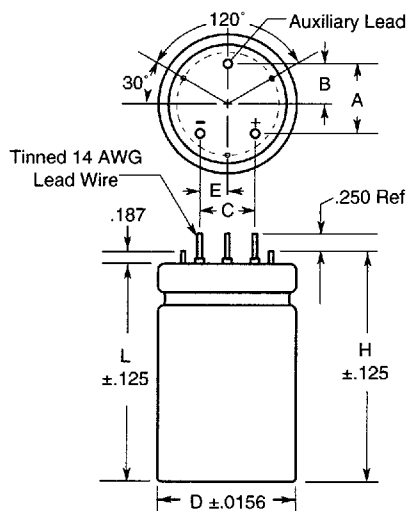
Low Resistance (D)



Can Dia	E
1.375	.390
1.750	.453
2.000	.500
2.500	.625
3.000	.750

PC Mounting Board Dimensions

Case Code	Uninsulated Can						
	Inches						
	D	L	H	A	B	C	E
R1N	1.375	1.750	1.937	.550	.375	.500	.250
R2C	1.375	2.125	2.312	.550	.375	.500	.250
R2L	1.375	2.625	2.812	.550	.375	.500	.250
R3C	1.375	3.125	3.312	.550	.375	.500	.250
R3L	1.375	3.625	3.812	.550	.375	.500	.250
R4C	1.375	4.125	4.312	.550	.375	.500	.250
R4L	1.375	4.625	4.812	.550	.375	.500	.250
R5C	1.375	5.125	5.312	.550	.375	.500	.250
R5L	1.375	5.625	5.812	.550	.375	.500	.250
V2C	2.000	2.125	2.312	1.000	.575	.800	.400
V2L	2.000	2.625	2.812	1.000	.575	.800	.400
V3C	2.000	3.125	3.312	1.000	.575	.800	.400
V3L	2.000	3.625	3.812	1.000	.575	.800	.400
V4C	2.000	4.125	4.312	1.000	.575	.800	.400
V4L	2.000	4.625	4.812	1.000	.575	.800	.400
V5C	2.000	5.125	5.312	1.000	.575	.800	.400
V5L	2.000	5.625	5.812	1.000	.575	.800	.400

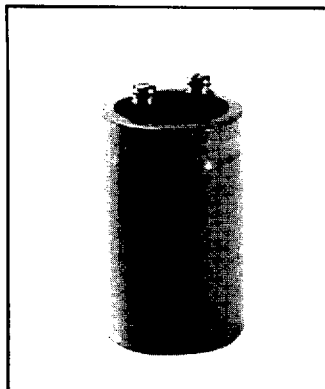


Printed Circuit Board (V)

Type CGS Computer Grade Capacitors

A 05-11-03

MALORY



- High CV Product
- Screw Terminals
- Suitable for use in most demanding applications requiring high current filtering or energy storage
- Custom Designs Available Upon Request

GENERAL SPECIFICATIONS

Operating Temperature:
-40°C to +85°C

Voltage Range:
6.3 WVDC to 450 WVDC

Capacitance Range:
75µF to 1,000,000µF

Capacitance Tolerance:
-10% +75% (6.3-150 WVDC)
-10% +50% (200-450 WVDC)

DC Leakage Current:
 $I = .006 \sqrt{CV}$ after 30 minutes
Not to exceed 6mA
C = Capacitance in µF
V = Rated Voltage
I = Leakage Current in mA

QA Stability Test:
Apply WVDC for 1,000 hrs at 85°C

- Capacitance change $\leq 10\%$ from initial limits
- DC leakage current meets initial limits
- ESR $\leq 175\%$ of initial measured value

The maximum ripple current at 85°C and 120 Hz for CGS capacitors is shown in the Standard Rating Table. Maximum ripple current may be adjusted by the multipliers in the following tables:

Rated WVDC	Ripple Multipliers				
	60 Hz	120 Hz	400 Hz	1000Hz	2500KHz
3 to 50	0.8	1.0	1.05	1.10	1.14
51 to 150	0.8	1.0	1.08	1.13	1.16
151 & Up	0.8	1.0	1.15	1.21	1.25

Ambient Temperature	Ripple Multiplier
+85°C	1.00
+75°C	1.4
+65°C	1.7
+55°C	2.0
+45°C	2.2

Cap µF	Max ESR (ohms) @ 120Hz	Max Ripple RMS Amps @ 120Hz +85°C	Dia	Length	Catalog Number
10 WVDC; 12 VDC Surge					
7,200	.035	4.5	1.375	2.125	CGS722U010R2C
12,000	.034	4.6	1.375	2.125	CGS123U010R2C
14,000	.030	4.9	1.375	2.125	CGS143U010R2C
18,000	.078	3.1	1.375	2.125	CGS183U010R2C
20,000	.025	5.9	1.375	2.625	CGS203U010R2L
26,000	.020	7.0	1.375	3.125	CGS263U010R3C
33,000	.018	7.4	1.375	3.125	CGS333U010R3C
44,000	.013	9.4	2.000	2.125	CGS443U010V2C
94,000	.007	16.3	2.000	4.125	CGS943U010V4C
110,000	.008	16.7	2.500	3.625	CGS114U010W3L

16 WVDC; 20 VDC Surge					
5,500	.037	4.4	1.375	2.125	CGS552U016R2C
8,900	.034	4.6	1.375	2.125	CGS892U016R2C
10,000	.033	4.7	1.375	2.125	CGS103U016R2C
10,000	.024	6.4	1.375	3.125	CGS103U016R3C
12,000	.031	4.8	1.375	2.125	CGS123U016R2C
15,000	.026	5.6	1.375	2.625	CGS153U016R2L
15,000	.061	4.5	1.375	4.125	CGS153U016R4C
17,000	.022	6.7	1.375	3.125	CGS173U016R3C
19,000	.021	6.8	1.375	3.125	CGS193U016R3C
21,000	.037	5.5	1.375	3.625	CGS213U016R3L
23,000	.027	7.6	2.000	3.125	CGS233U016V3C
24,000	.032	5.6	1.375	3.125	CGS243U016R3C
25,000	.016	8.8	1.375	4.125	CGS253U016R4C
25,000	.031	6.1	2.000	2.125	CGS253U016V2C
33,000	.020	7.9	1.375	4.125	CGS333U016R4C
33,000	.028	6.5	2.000	2.125	CGS333U016V2C
34,000	.020	9.8	1.375	4.125	CGS343U016R4C
34,000	.016	8.8	2.000	4.125	CGS343U016V4C
38,000	.019	9.4	1.375	3.125	CGS383U016R3C
38,000	.021	8.6	2.000	3.125	CGS383U016V3C
50,000	.011	11.7	2.000	3.125	CGS503U016V3C
55,000	.015	10.2	1.375	3.625	CGS553U016R3L
55,000	.018	9.6	2.000	3.625	CGS553U016V3L
66,000	.012	11.6	1.375	4.125	CGS663U016R4C
66,000	.017	10.8	2.000	4.125	CGS663U016V4C

Cap µF	Max ESR (ohms) @ 120Hz	Max Ripple RMS Amps @ 120Hz +85°C	Dia	Length	Catalog Number
16 WVDC; 20 VDC Surge					
68,000	.017	9.5	2.000	3.125	CGS683U016V3C
70,000	.008	15.2	2.000	4.125	CGS703U016V4C
77,000	.015	11.8	2.000	4.625	CGS773U016V4L
80,000	.009	18.9	3.000	4.125	CGS803U016X4C
83,000	.015	12.9	2.000	5.625	CGS833U016V5L
91,000	.009	14.7	2.000	4.125	CGS913U016V4C
100,000	.007	22.5	3.000	5.125	CGS104U016X5C
110,000	.010	16.0	2.500	4.125	CGS114U016W4C
120,000	.007	20.1	3.000	3.625	CGS124U016X3L
130,000	.009	17.6	2.500	4.625	CGS134U016W4L
150,000	.007	19.3	3.000	4.125	CGS154U016X4C
170,000	.004	23.5	2.000	4.125	CGS174U016V4C
180,000	.006	24.3	3.000	4.625	CGS184U016X4L
210,000	.005	29.2	3.000	5.875	CGS214U016X5R
220,000	.005	25.2	3.000	4.125	CGS224U016X4C
260,000	.003	29.8	2.000	5.625	CGS264U016V5L
640,000	.002	30.0	3.000	5.625	CGS644U016X5L
640,000	.002	44.9	3.000	5.625	CGS644UFX5L3PD

20 WVDC; 22 VDC Surge					
1,000,000	.002	30.0	3.000	8.625	CGS105UGX8L6PH
1,000,000	.002	50.0	3.000	8.625	CGS105UGX8L6PD

25 WVDC; 30 VDC Surge					
3,000	.235	1.8	1.375	2.125	CGS302U025R2C
5,600	.026	6.1	1.375	3.125	CGS562U025R3C
6,000	.035	4.5	1.375	2.125	CGS602U025R2C
6,800	.096	2.8	1.375	2.125	CGS682U025R2C
8,200	.019	8.1	1.375	4.125	CGS822U025R4C
8,900	.024	6.4	1.375	3.125	CGS892U025R3C
10,000	.024	6.4	1.375	3.125	CGS103U025R3C
12,000	.023	6.6	1.375	3.125	CGS123U025R3C
12,000	.024	8.1	2.000	3.125	CGS123U025V3C
13,000	.082	3.9	1.375	4.125	CGS133U025R4C
14,000	.037	5.6	2.000	2.125	CGS143U025V2C
16,000	.017	8.5	1.375	4.125	CGS163U025R4C

Aluminum Capacitors

Type CGS Computer Grade Capacitors

MALORY

Cap μF	Max ESR (ohms) @ 120Hz	Max Ripple RMS Amps @ 120Hz +85°C	Dia	Length	Catalog Number
25 WVDC; 30 VDC Surge					
18,000	.017	8.6	1.375	4.125	CGS183U025R4C
18,000	.052	6.1	2.000	4.125	CGS183U025V4C
20,000	.023	6.5	1.375	3.125	CGS203U025R3C
20,000	.014	10.3	1.375	5.125	CGS203U025R5C
20,000	.024	8.0	2.000	3.125	CGS203U025V3C
22,000	.043	5.2	2.000	2.125	CGS223U025V2C
28,000	.028	7.5	2.000	3.125	CGS283U025V3C
29,000	.018	10.5	2.000	4.125	CGS293U025V4C
30,000	.029	8.4	2.500	3.125	CGS303U025W3C
32,000	.018	10.3	2.000	4.125	CGS323U025V4C
33,000	.018	9.3	2.000	3.125	CGS333U025V3C
41,000	.020	9.8	2.000	4.125	CGS413U025V4C
43,000	.022	8.5	1.375	4.125	CGS433U025R4C
43,000	.021	12.2	3.000	4.125	CGS433U025X4C
47,000	.022	9.5	2.000	4.125	CGS473U025V4C
50,000	.018	11.7	2.000	5.625	CGS503U025V5L
50,000	.010	14.9	2.500	3.625	CGS503U025W3L
57,000	.017	14.6	3.000	5.125	CGS573U025X5C
65,000	.009	16.5	2.500	4.125	CGS653U025W4C
68,000	.006	17.9	2.000	4.125	CGS683U025V4C
70,000	.010	18.1	3.000	4.125	CGS703U025X4C
90,000	.007	21.4	2.500	5.625	CGS903U025W5L
92,000	.008	21.6	3.000	5.125	CGS923U025X5C
95,000	.011	16.9	3.000	4.125	CGS953U025X4C
100,000	.005	22.8	2.000	5.625	CGS104U025V5L
100,000	.011	16.0	3.000	3.625	CGS104U025X3L
110,000	.008	20.7	3.000	5.125	CGS114U025X5C
110,000	.009	20.9	3.000	5.625	CGS114U025X5L
120,000	.007	21.6	3.000	4.125	CGS124U025X4C
180,000	.004	30.3	3.000	4.125	CGS184U025X4C
204,000	.006	29.9	3.000	8.625	CGS204U25X8L
270,000	.003	30.0	3.000	5.625	CGS274U025X5L
270,000	.003	36.6	3.000	5.625	CGS274UHX5L3PD

30 WVDC; 40 VDC Surge					
4,500	.037	4.4	1.375	2.125	CGS452U030R2C
5,000	.037	4.5	1.375	2.125	CGS502U030R2C
8,000	.024	6.4	1.375	3.125	CGS802U030R3C
9,200	.024	6.4	1.375	3.125	CGS922U030R3C
12,000	.018	8.4	1.375	4.125	CGS123U030R4C
13,000	.018	8.4	1.375	4.125	CGS133U030R4C
15,000	.016	9.3	1.375	4.625	CGS153U030R4L
20,000	.013	11.0	1.375	5.625	CGS203U030R5L
30,000	.019	10.0	2.000	4.125	CGS303U030V4C
33,000	.020	9.8	2.000	4.125	CGS333U030V4C
44,000	.015	11.7	2.500	3.125	CGS443U030W3C
50,000	.016	12.7	2.000	5.625	CGS503U030V5L
55,000	.009	16.3	2.500	4.125	CGS553U030W4C
78,000	.011	16.8	3.000	4.125	CGS783U030X4C
100,000	.008	22.4	3.000	5.625	CGS104U030X5L

35 WVDC; 45 VDC Surge					
4,400	.145	2.2	1.375	2.125	CGS442U035R2C
8,200	.024	6.4	1.375	3.125	CGS822U035R3C
10,000	.038	5.5	2.000	2.125	CGS103U035V2C
12,000	.018	8.4	1.375	4.125	CGS123U035R4C
21,000	.023	6.4	1.375	3.125	CGS213U035R3C
21,000	.029	7.3	2.000	3.125	CGS213U035V3C
30,000	.028	8.6	2.500	3.125	CGS303U035V3C
31,000	.021	9.6	2.000	4.125	CGS313U035V4C
70,000	.012	16.6	3.000	4.125	CGS703U035X4C

Cap μF	Max ESR (ohms) @ 120Hz	Max Ripple RMS Amps @ 120Hz +85°C	Dia	Length	Catalog Number
40 WVDC; 50 VDC Surge					
2,200	.044	4.1	1.375	2.125	CGS222U040R2C
2,700	.042	4.2	1.375	2.125	CGS272U040R2C
3,500	.038	4.4	1.375	2.125	CGS352U040R2C
4,200	.028	6.0	1.375	3.125	CGS422U040R3C
4,700	.036	4.5	1.375	2.125	CGS472U040R2C
5,100	.026	6.1	1.375	3.125	CGS512U040R3C
6,000	.025	6.2	1.375	3.125	CGS602U040R3C
6,200	.020	7.9	1.375	4.125	CGS622U040R4C
7,500	.019	8.1	1.375	4.125	CGS752U040R4C
9,000	.019	8.2	1.375	4.125	CGS902U040R4C
9,300	.024	8.1	2.000	3.125	CGS932U040V3C
11,000	.024	8.0	2.000	3.125	CGS113U040V3C
12,000	.049	5.0	1.375	4.125	CGS123U040R4C
12,000	.067	4.2	2.000	2.125	CGS123U040V2C
13,000	.017	10.5	2.000	4.125	CGS133U040V4C
17,000	.025	6.1	1.375	3.125	CGS173U040R3C
17,000	.029	7.4	2.000	3.125	CGS173U040V3C
17,000	.018	10.4	2.000	4.125	CGS173U040V4C
20,000	.014	13.6	2.000	5.625	CGS203U040V5L
22,000	.031	7.1	2.000	3.125	CGS223U040V3C
23,000	.020	9.9	2.000	4.125	CGS233U040V4C
32,000	.021	9.5	2.000	4.125	CGS323U040V4C
33,000	.021	9.7	2.000	4.125	CGS333U040V4C
35,000	.015	12.8	2.000	5.625	CGS353U040V5L
40,000	.014	9.9	2.000	3.125	CGS403U040V3C
40,000	.010	16.3	2.500	4.125	CGS403U040W4C
40,000	.010	18.1	3.000	4.125	CGS403U040X4C
43,000	.020	13.8	3.000	5.125	CGS433U040X5C
47,000	.010	15.8	2.500	4.125	CGS473U040W4C
53,000	.008	21.5	3.000	5.125	CGS533U040X5C
55,000	.011	16.9	2.500	5.625	CGS553U040W5L
68,000	.012	16.0	3.000	4.125	CGS683U040X4C
78,000	.009	22.7	3.000	6.625	CGS783U040X6L
150,000	.003	30.0	3.000	5.625	CGS154U040X5L
150,000	.003	36.6	3.000	5.625	CGS154ULX5L3PD

50 WVDC; 65 VDC Surge					
1,600	.048	3.9	1.375	2.125	CGS162U050R2C
2,200	.044	4.1	1.375	2.125	CGS222U050R2C
2,900	.030	5.7	1.375	3.125	CGS292U050R3C
3,000	.040	4.3	1.375	2.125	CGS302U050R2C
3,300	.182	2.0	1.375	2.125	CGS332U050R2C
4,100	.022	7.6	1.375	3.125	CGS412U050R3C
4,300	.022	7.6	1.375	4.125	CGS432U050R4C
4,900	.023	7.0	1.375	3.625	CGS492U050R3L
5,000	.026	6.1	1.375	3.125	CGS502U050R3C
5,700	.096	3.2	1.375	3.125	CGS572U050R3C
6,100	.020	7.9	1.375	4.125	CGS612U050R4C
6,500	.025	7.9	2.000	3.125	CGS652U050V3C
6,700	.022	7.2	1.375	3.625	CGS672U050R3L
6,800	.024	6.4	1.375	3.125	CGS682U050R3C
7,500	.019	8.1	1.375	4.125	CGS752U050R4C
8,000	.043	5.2	2.000	2.125	CGS802U050V2C
9,600	.018	10.3	2.000	4.125	CGS962U050V4C
10,000	.017	8.5	1.375	4.125	CGS103U050R4C
10,000	.049	4.9	2.000	2.125	CGS103U050V2C
12,000	.014	10.7	1.375	5.625	CGS123U050R5L
13,000	.031	6.2	1.375	3.125	CGS133U050R3C
13,000	.029	7.3	2.000	3.125	CGS133U050V3C
14,000	.031	7.1	2.000	5.625	CGS143U050V5L
14,500	.022	7.3	2.000	3.125	CGS1452U050V3C
15,000	.019	10.0	2.000	4.125	CGS153U050V4C
18,000	.034	6.8	2.000	3.125	CGS183U050V3C
20,000	.019	8.2	1.375	4.125	CGS203U050R4C
20,000	.021	9.5	2.000	4.125	CGS203U050V4C

Type CGS Computer Grade Capacitors

MALLORY

Cap μF	Max ESR (ohms) @ 120Hz	Max Ripple RMS Amps @ 120Hz +85°C	Dia	Length	Catalog Number
50 WVDC; 65 VDC Surge					
20,000	.014	13.2	2.000	5.625	CGS203U050V5L
24,000	.014	12.1	2.500	3.125	CGS243U050W3C
25,000	.021	9.8	1.750	4.125	CGS253U050U4C
25,000	.024	10.2	2.500	4.125	CGS253U050W4C
27,000	.022	9.3	2.000	4.125	CGS273U050V4C
28,000	.018	11.4	2.000	5.125	CGS283U050V5C
30,000	.016	12.4	2.000	5.625	CGS303U050V5L
31,000	.028	9.6	2.500	4.125	CGS313U050W4C
33,000	.025	10.0	2.500	4.125	CGS333U050W4C
41,000	.009	19.2	3.000	4.625	CGS413U050X4L
43,000	.023	12.7	3.000	5.125	CGS433U050X5C
48,000	.012	16.2	3.000	4.125	CGS483U050X4C
50,000	.008	20.4	2.500	5.625	CGS503U050W5L
56,000	.005	23.1	3.000	3.625	CGS563U050X3L
60,000	.010	19.8	3.000	5.125	CGS603U050X5C
63,000	.017	16.1	3.000	6.625	CGS633U050X6L
70,000	.016	15.7	3.000	5.625	CGS703U050X5L
82,000	.004	29.2	3.000	4.125	CGS823U050X4C
100,000	.007	29.3	3.000	8.625	CGS104U050X8L
120,000	.003	30.0	3.000	5.625	CGS124U050X5L
120,000	.003	36.6	3.000	5.625	CGS124UNX5L3PD

75 WVDC; 95 VDC Surge					
820	.591	1.1	1.375	2.125	CGS821U075R2C
1,500	.041	4.9	1.375	3.125	CGS152U075R3C
2,100	.036	5.3	1.375	3.125	CGS212U075R3C
2,200	.041	4.2	1.375	2.125	CGS222U075R2C
2,300	.028	6.6	1.375	4.125	CGS232U075R4C
2,900	.032	5.6	1.375	3.125	CGS292U075R3C
3,300	.120	2.9	1.375	3.125	CGS332U075R3C
4,200	.023	7.4	1.375	4.125	CGS422U075R4C
4,800	.031	6.7	1.375	3.125	CGS482U075R3C
4,800	.030	7.2	2.000	3.125	CGS482U075V3C
5,600	.021	7.8	1.375	4.125	CGS562U075R4C
6,300	.017	9.8	1.375	5.625	CGS632U075R5L
7,100	.022	9.5	2.000	4.125	CGS712U075V4C
7,300	.078	4.5	2.000	3.125	CGS732U075V3C
7,500	.017	12.3	2.000	5.625	CGS752U075V5L
10,000	.029	5.8	1.375	3.125	CGS103U075R3C
10,000	.041	6.2	2.000	3.125	CGS103U075V3C
10,000	.024	9.0	2.000	4.125	CGS103U075V4C
12,000	.021	7.6	1.375	4.125	CGS123U075R4C
12,000	.026	8.7	2.000	4.125	CGS123U075V4C
15,000	.018	11.9	2.000	5.625	CGS153U075V5L
17,000	.033	8.8	2.500	4.125	CGS173U075W4C
17,000	.033	9.8	3.000	4.125	CGS173U075X4C
18,000	.009	14.5	2.000	4.125	CGS183U075V4C
25,000	.024	11.7	2.500	5.625	CGS253U075W5L
25,000	.039	9.0	3.000	4.125	CGS253U075LA
25,000	.014	15.0	3.000	4.125	CGS253U075X4C
26,000	.028	10.3	2.000	4.125	CGS263U075V4C
26,000	.037	10.6	3.000	5.875	CGS263U075X5R
27,000	.019	12.5	3.000	3.625	CGS273U075X3L
33,000	.019	12.7	3.000	4.125	CGS333U075X4C
37,000	.011	16.4	2.000	5.625	CGS373U075V5L
37,000	.010	19.7	3.000	5.625	CGS373U075X5L
55,000	.008	27.4	3.000	8.625	CGS553U075X8L
68,000	.005	30.0	3.000	5.625	CGS683U075X5L

Cap μF	Max ESR (ohms) @ 120Hz	Max Ripple RMS Amps @ 120Hz +85°C	Dia	Length	Catalog Number
100 WVDC; 125 VDC Surge					
850	.120	2.5	1.375	2.125	CGS851U100R2C
1,200	.062	3.5	1.375	3.125	CGS122U100R3C
1,700	.069	3.8	1.375	3.125	CGS172U100R3C
2,400	.050	5.0	1.375	4.125	CGS242U100R4C
3,100	.036	6.4	1.375	5.125	CGS312U100R5C
4,000	.031	6.2	1.375	4.125	CGS402U100R4C
4,000	.036	7.3	2.000	4.125	CGS402U100V4C
6,000	.033	7.6	2.000	4.125	CGS602U100V4C
9,000	.024	10.2	2.000	5.625	CGS902U100V5L
10,000	.040	8.0	2.500	4.125	CGS103U100W4C
15,000	.036	7.3	2.000	4.125	CGS153U100V4C
15,000	.043	8.6	2.500	5.625	CGS153U100W5L
15,000	.051	7.9	3.000	4.125	CGS153U100X4C
33,000	.009	25.0	3.000	8.625	CGS333U100X8L

150 WVDC; 175 VDC Surge					
400	.137	2.3	1.375	2.125	CGS401U150R2C
720	.063	3.5	1.375	3.125	CGS721U150R3C
950	.087	3.4	1.375	3.125	CGS951U150R3C
1,100	.064	4.4	1.375	4.125	CGS112U150R4C
2,400	.117	3.7	2.000	3.125	CGS242U150V3C
3,300	.032	8.4	2.000	5.125	CGS332U150V5C
3,500	.031	11.4	2.000	5.625	CGS352U150V5L
4,800	.030	9.5	2.500	4.625	CGS482U150W4L
5,700	.037	9.3	3.000	4.125	CGS572U150X4C
6,200	.025	11.4	2.500	5.625	CGS622U150W5L
7,700	.029	11.3	3.000	5.125	CGS772U150X5C
8,700	.027	12.5	3.000	5.875	CGS872U150X5R
10,000	.034	10.4	3.000	5.125	CGS103U150X5C
12,000	.014	16.5	2.000	5.625	CGS123U150V5L
12,000	.013	17.8	3.000	5.625	CGS123U150X5L

200 WVDC; 250 VDC Surge					
590	.151	2.6	1.375	3.125	CGS591T200R3C
1,000	.097	3.6	1.375	4.125	CGS102T200R4C
1,000	.113	3.2	2.000	2.125	CGS102T200V2C
1,400	.081	4.4	2.000	3.125	CGS142T200V3C
1,600	.074	4.6	2.000	3.125	CGS162T200V3C
2,000	.057	5.8	2.000	4.125	CGS202T200V4C
2,200	.054	6.0	2.000	4.125	CGS222T200V4C
2,700	.048	6.4	2.000	4.125	CGS272T200V4C
3,300	.060	6.5	2.500	4.125	CGS332T200W4C
3,400	.076	5.8	2.500	4.125	CGS342T200W4C
3,600	.042	6.7	2.000	4.125	CGS362T200V4C
4,000	.062	5.0	2.000	3.125	CGS402T200V3C
4,000	.055	6.8	2.500	4.125	CGS402T200W4C
4,600	.047	8.2	3.000	4.125	CGS462T200X4C
4,800	.042	6.8	2.000	4.125	CGS482T200V4C
5,000	.036	9.2	2.500	5.125	CGS502T200W5C
5,200	.021	11.0	2.000	5.625	CGS522T200V5L
5,400	.021	12.6	3.000	4.625	CGS542T200X4L
6,200	.039	9.0	3.000	4.125	CGS622T200X4C
7,200	.019	11.5	2.000	5.625	CGS722T200V5L
7,400	.018	15.0	3.000	5.625	CGS742T200X5L
7,700	.018	15.0	3.000	5.625	CGS772T200X5L
9,400	.021	12.1	3.000	4.125	CGS942T200X4C
14,000	.015	16.1	3.000	5.625	CGS143T200X5L
18,000	.016	15.9	3.000	5.625	CGS183T200X5L
30,000	.011	22.7	3.000	8.625	CGS303T200X8L

Aluminum Capacitors

Type CGS Computer Grade Capacitors

MALLORY

Cap μF	Max ESR (ohms) @ 120Hz	Max Ripple RMS Amps @ 120Hz +85°C	Dia	Length	Catalog Number
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250 WVDC; 300 VDC Surge

200	.241	1.7	1.375	2.125	CGS201T250R2C
250	.278	1.6	1.375	2.125	CGS251T250R2C
470	.438	1.5	1.375	3.125	CGS471T250R3C
550	.098	3.6	1.375	4.125	CGS551T250R4C
720	.110	3.4	1.375	4.125	CGS721T250R4C
1,000	.078	4.6	1.375	5.625	CGS102T250R5L
1,200	.080	4.4	2.000	3.125	CGS122T250V3C
1,700	.057	5.8	2.000	4.125	CGS172T250V4C
1,900	.105	4.9	2.000	5.625	CGS192T250V5L
2,500	.041	7.8	2.000	5.625	CGS252T250V5L
2,800	.046	6.5	2.000	4.125	CGS282T250V4C
2,900	.043	8.0	2.500	4.625	CGS292T250W4L
2,900	.050	8.0	3.000	4.125	CGS292T250X4C
4,100	.021	10.7	2.000	5.625	CGS412T250V5L
4,200	.023	11.9	2.500	5.625	CGS422T250V5L
6,000	.022	10.1	2.000	5.625	CGS602T250V5L
6,000	.047	9.2	3.000	5.625	CGS602T250X5L
7,200	.023	11.7	3.000	4.125	CGS722T250X4C
10,000	.016	15.6	3.000	5.625	CGS103T250X5L

300 WVDC; 350 VDC Surge

1,500	.107	4.9	2.500	4.125	CGS152T300W4C
3,500	.066	7.8	3.000	5.625	CGS352T300X5L
4,000	.058	8.3	3.000	5.625	CGS402T300X5L
6,000	.022	15.9	3.000	8.625	CGS602T300X8L

350 WVDC; 400 VDC Surge

130	.683	1.0	1.375	2.125	CGS131T350R2C
250	.478	1.4	1.375	3.125	CGS251T350R3C
380	.318	2.0	1.375	4.125	CGS381T350R4C
650	.212	2.7	2.000	3.125	CGS651T350V3C
800	.170	3.4	2.000	4.125	CGS801T350V4C
1,000	.111	3.3	1.375	4.125	CGS102T350R4C
1,000	.140	3.7	2.000	4.125	CGS102T350V4C
1,300	.108	4.8	2.000	5.625	CGS132T350V5L
1,500	.123	4.5	2.500	4.125	CGS152T350W4C
1,600	.072	5.2	2.000	4.125	CGS162T350V4C
2,100	.067	5.4	3.000	4.125	CGS212T350X4C
2,200	.063	7.2	2.500	5.625	CGS222T350W5L
2,400	.040	7.9	2.000	5.625	CGS242T350V5L
3,000	.048	9.3	3.000	5.875	CGS302T350X5R
3,300	.038	8.1	2.000	5.625	CGS332T350V5L
3,300	.044	9.5	3.000	5.625	CGS332T350X5L
3,400	.043	9.6	3.000	5.625	CGS342T350X5L
4,200	.035	9.4	3.000	4.125	CGS422T350X4C
6,300	.025	12.7	3.000	5.625	CGS632T350X5L

Cap μF	Max ESR (ohms) @ 120Hz	Max Ripple RMS Amps @ 120Hz +85°C	Dia	Length	Catalog Number
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450 WVDC; 525 VDC Surge

75	.835	.9	1.375	2.125	CGS750T450R2C
100	.737	1.0	1.375	2.125	CGS101T450R2C
140	.496	1.4	1.375	3.125	CGS141T450R3C
170	.458	1.5	1.375	3.125	CGS171T450R3C
210	.332	1.9	1.375	4.125	CGS211T450R4C
250	.308	2.0	1.375	4.125	CGS251T450R4C
320	.253	2.5	2.000	3.125	CGS321T450V3C
350	.226	3.2	1.375	5.125	CGS351T450R5C
400	.198	2.9	1.375	5.625	CGS401T450R5L
450	.188	2.9	2.000	3.125	CGS451T450V3C
480	.171	3.4	2.000	4.125	CGS481T450V4C
650	.154	3.7	2.000	4.125	CGS651T450V4C
800	.108	4.4	2.000	4.625	CGS801T450V4L
970	.096	4.5	2.000	4.125	CGS971T450V4C
1,000	.082	5.5	2.500	4.125	CGS102T450W4C
1,100	.076	6.5	3.000	4.125	CGS112T450X4C
1,400	.059	6.5	2.000	5.625	CGS142T450V5L
1,400	.060	7.1	2.500	5.125	CGS142T450W5C
1,500	.059	7.4	3.000	4.125	CGS152T450X4C
1,500	.057	8.1	3.000	5.125	CGS152T450X5C
1,800	.048	9.3	3.000	5.875	CGS182T450X5R
2,000	.045	9.1	3.000	5.125	CGS202T450X5C
2,200	.045	8.4	3.000	4.125	CGS222T450X4C
2,400	.048	7.2	2.500	4.125	CGS242T450W4C
2,400	.038	10.3	3.000	5.625	CGS242T450X5L
3,300	.031	11.4	3.000	5.625	CGS332T450X5L