

MALLORY Screw Terminal Aluminum Electrolytic Capacitors

CDE CORNELL DUBILIER



CGS - SERIES 85°C SCREW TERMINAL CAPACITORS

Cornell Dubilier Electronics, Inc.

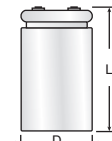
Specifications:

- Temperature range: -40°C to +85°C
- 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 2,000 hrs at 85°C
- Capacitance change $\leq 10\%$ from initial limits
- DC leakage currents meet initial limits
- ESR $\leq 175\%$ of initial measured value

DIMENSIONS: in.



RoHS Compliant

Mallory CGS Series Equivalents			
Collins - CES Series	Meppco-electra - 3186/91C and 91F Series		
General Electric - 86F Series	Rubycon - LSA Series		

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Cap (μF)	Case DxL (in.)	Price Each		
				1	10	25
16 Volt						
539-CGS16V10000	CGS103U016R2C	10000	1.375 x 2.125	14.53	12.91	11.62
539-CGS16V15000	CGS153U016R2L	15000	1.375 x 2.625	48.76	44.92	43.19
539-CGS16V17000	CGS173U016R3C	17000	1.375 x 3.125	43.29	39.87	38.35
539-CGS16V38000	CGS383U016V3C	38000	2.000 x 3.125	29.12	24.80	24.50
539-CGS16V50000	CGS503U016V3C	50000	2.000 x 3.125	32.67	29.04	26.14
539-CGS663U016V4C	CGS663U016V4C	66000	2.000 x 4.125	81.91	75.45	72.57
539-CGS16V110000	CGS114U016W4C	110000	2.500 x 4.125	71.41	64.55	56.30
539-CGS16V210000	CGS214U016X5R	210000	3.000 x 5.875	112.33	99.86	89.87
25 Volt						
539-CGS25V8900	CGS892U025R3C	8900	1.375 x 3.125	47.38	43.65	41.98
539-CGS103U025R3C	CGS103U025R3C	10000	1.375 x 3.125	22.33	19.02	18.80
539-CGS25V12000	CGS123U025V3C	12000	2.000 x 3.125	35.61	31.67	28.49
539-CGS25V18000	CGS183U025R4C	18000	1.375 x 4.125	16.30	13.88	13.81
539-CGS25V20000	CGS203U025V3C	20000	2.000 x 3.125	29.57	25.19	24.88
539-CGS25V47000	CGS473U025V4C	47000	2.000 x 4.125	81.62	75.20	72.31
30 Volt						
539-CGS30V8000	CGS802U030R3C	8000	1.375 x 3.125	21.09	17.96	17.75
539-CGS30V30000	CGS303U030V4C	30000	2.000 x 4.125	33.86	28.84	28.49
539-CGS30V55000	CGS553U030W4C	55000	2.500 x 4.125	44.80	38.16	37.70
40 Volt						
539-CGS40V2200	CGS222U040R2C	2200	1.375 x 2.125	20.32	17.31	17.10
539-CGS40V2700	CGS272U040R2C	2700	1.375 x 2.125	15.20	13.51	12.16
539-CGS40V3500	CGS352U040R2C	3500	1.375 x 2.125	19.77	16.84	16.64
539-CGS472U040R2C	CGS472U040R2C	4700	1.375 x 2.125	21.09	17.96	17.75
539-CGS40V5100	CGS512U040R3C	5100	1.375 x 3.125	23.39	19.93	19.69
539-CGS40V6000	CGS602U040R3C	6000	1.375 x 3.125	22.52	19.19	18.96
539-CGS40V9000	CGS902U040R4C	9000	1.375 x 4.125	40.22	35.76	32.18
539-CGS40V11000	CGS113U040V3C	11000	2.000 x 3.125	49.17	43.70	39.33
539-CGS40V12000	CGS123U040R4C	12000	1.375 x 4.125	40.10	35.66	32.08
539-CGS40V13000	CGS133U040V4C	13000	2.000 x 4.125	27.59	23.50	23.42
539-CGS223U040V3C	CGS223U040V3C	22000	2.000 x 3.125	33.26	28.33	27.99
539-CGS40V23000	CGS233U040V4C	23000	2.000 x 4.125	33.25	28.32	27.98
539-CGS40V33000	CGS333U040V4C	33000	2.000 x 4.125	39.64	33.77	33.36
539-CGS40V40000	CGS403U040W4C	40000	2.500 x 4.125	66.88	59.44	53.50
539-CGS683U040X4C	CGS683U040X4C	68000	3.000 x 4.125	62.26	53.04	52.40
50 Volt						
539-CGS50V1600	CGS162U050R2C	1600	1.375 x 2.125	19.77	16.84	16.64
539-CGS50V2200	CGS222U050R2C	2200	1.375 x 2.125	21.68	18.47	18.24
539-CGS50V2900	CGS292U050R3C	2900	1.375 x 3.125	24.64	20.99	20.74
539-CGS50V4100	CGS412U050R3C	4100	1.375 x 3.125	24.64	20.99	20.74
539-CGS50V5000	CGS502U050R3C	5000	1.375 x 3.125	22.03	19.58	17.60
539-CGS50V6100	CGS612U050R4C	6100	1.375 x 4.125	16.40	13.97	13.92
539-CGS50V6500	CGS652U050V3C	6500	2.000 x 3.125	32.19	27.42	27.09
539-CGS682U050R3C	CGS682U050R3C	6800	1.375 x 3.125	21.94	18.92	18.69
539-CGS50V9600	CGS962U050V4C	9600	2.000 x 4.125	33.86	28.84	28.49
539-CGS50V10000	CGS103U050R4C	10000	1.375 x 4.125	26.71	22.75	22.48
539-CGS50V13000	CGS133U050V3C	13000	2.000 x 3.125	32.19	27.42	27.09
539-CGS50V15000	CGS153U050V4C	15000	2.000 x 4.125	33.17	28.26	27.92
539-CGS50V18000	CGS183U050V3C	18000	2.000 x 3.125	33.32	28.38	28.04
539-CGS50V20000	CGS203U050V4C	20000	2.000 x 4.125	34.17	29.11	28.76
539-CGS50V25000	CGS253U050W4C	25000	2.500 x 4.125	42.00	35.78	35.35
539-CGS313U050W4C	CGS313U050W4C	31000	2.500 x 4.125	50.26	42.81	42.30
539-CGS50V48000	CGS483U050X4C	48000	3.000 x 4.125	71.26	60.70	59.97
539-CGS50V56000	CGS563U050X3L	56000	3.000 x 3.625	69.18	60.70	59.97

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Cap (μF)	Case DxL (in.)	Price Each		
				1	10	25
50 Volt (Cont.)						
539-CGS603U050X5C	CGS603U050X5C	60000	3.000 x 5.125	118.38	105.24	94.71
75 Volt						
539-CGS75V1500	CGS152U075R3C	1500	1.375 x 3.125	23.35	19.89	19.65
539-CGS75V2100	CGS212U075R3C	2100	1.375 x 3.125	46.97	43.28	41.61
539-CGS222U075R2C	CGS222U075R2C	2200	1.375 x 2.125	29.19	24.86	24.26
539-CGS75V2900	CGS292U075R3C	2900	1.375 x 3.125	68.71	63.28	60.87
539-CGS75V4200	CGS422U075R4C	4200	1.375 x 4.125	45.57	40.50	36.45
539-CGS75V4800	CGS482U075V3C	4800	2.000 x 3.125	33.17	28.26	27.92
539-CGS75V10000S	CGS103U075V3C	10000	2.000 x 3.125	25.81	22.95	20.65
539-CGS75V10000L	CGS103U075V4C	10000	2.000 x 4.125	44.29	37.72	37.27
539-CGS75V10000	CGS103U075R3C	10000	1.375 x 3.125	69.90	64.41	61.93
539-CGS123U075V4C	CGS123U075V4C	12000	2.000 x 4.125	72.82	67.10	64.54
539-CGS153U075V5L	CGS153U075V5L	15000	2.000 x 5.625	38.52	32.81	32.42
539-CGS75V25000L	CGS253U075W5L	25000	2.500 x 5.625	91.50	81.34	73.21
539-CGS75V25000S	CGS253U075X4C	25000	3.000 x 4.125	67.58	55.54	52.66
539-CGS75V37000	CGS373U075X5L	37000	3.000 x 5.625	79.74	65.36	61.34
100 Volt						
539-CGS100V1200	CGS122U100R3C	1200	1.375 x 3.125	23.16	19.73	19.49
539-CGS100V1700	CGS172U100R3C	1700	1.375 x 3.125	43.29	39.86	38.35
539-CGS100V10000	CGS103U100W4C	10000	2.500 x 4.125	47.30	40.30	39.81
539-CGS100V15000	CGS153U100X4C	15000	3.000 x 4.125	61.00	51.96	51.33
150 Volt						
539-CGS150V400	CGS401U150R2C	400	1.375 x 2.125	34.05	30.28	27.24
200 Volt						
539-CGS200V1000	CGS102T200R4C	1000	1.375 x 4.125	25.62	21.83	21.57
539-CGS162T200V3C	CGS162T200V3C	1600	2.000 x 3.125	31.54	26.86	26.54
539-CGS200V2000	CGS202T200V4C	2000	2.000 x 4.125	34.60	30.01	29.65
539-CGS200V5400	CGS542T200X4L	5400	3.000 x 4.625	79.62	67.83	67.00
539-CGS200V7400	CGS742T200X5L	7400	3.000 x 5.625	99.81	85.02	83.99
539-CGS200V7700	CGS772T200X5L	7700	3.000 x 5.625	86.28	73.49	72.60
250 Volt						
539-CGS250V200	CGS201T250R2C	200	1.375 x 2.125	22.81	19.43	19.20
539-CGS251T250R2C	CGS251T250R2C	250	1.375 x 2.125	29.19	24.86	24.57
539-CGS250V550	CGS551T250R4C	550	1.375 x 4.125	20.40	18.14	16.32
539-CGS250V1200	CGS122T250V3C	1200	2.000 x 3.125	35.57	31.62	28.46
539-CGS250V6000	CGS602T250X5L	6000	3.000 x 5.625	102.87	87.63	86.57
350 Volt						
539-CGS350V250	CGS251T350R3C	250	1.375 x 3.125	36.23	32.22	28.99
539-CGS350V102V4C	CGS102T350V4C	1000	2.000 x 4.125	38.94	33.17	32.77
539-CGS350V3500	CGS332T350X5L	3300	3.000 x 5.625	98.55	83.95	82.93
450 Volt						
539-CGS450V75	CGS750T450R2C	75	1.375 x 2.125	22.14	21.24	20.82
539-CGS450V100	CGS101T450R2C	100	1.375 x 2.125	22.04	18.78	18.55
539-CGS450V140	CGS141T450R3C	140	1.375 x 3.125	23.39	19.93	19.69
539-CGS450V170	CGS171T450R3C	170	1.375 x 3.125	53.41	49.21	47.31
539-CGS450V210	CGS211T450R4C	210	1.375 x 4.125	29.62	26.34	25.85
539-CGS450V320	CGS321T450V3C	320	2.000 x 3.125	33.25	28.32	27.98
539-CGS450V400	CGS401T450R5L	400	1.375 x 5.625	81.07	74.68	71.82
539-CGS450V450	CGS451T450V3C	450	2.000 x 3.125	38.72	32.99	32.59
539-CGS450V650	CGS651T450V4C	650	2.000 x 4.125	92.98	85.66	82.39
539-CGS450V800	CGS801T450V4L	800	2.000 x 4.625	54.65	46.56	45.99
539-CGS450V1000	CGS102T450W4C	1000	2.500 x 4.125	58.97	50.23	49.63
539-CGS450V1400	CGS142T450W5C	1400	2.500 x 5.125	71.20	60.65	59.92
539-CGS152T450X5C	CGS152T450X5C	1500	3.000 x 5.125	86.61	73.78	72.88
539-CGS450V2000	CGS202T450X5C	2000	3.000 x 5.125	102.13	87.00	85.94
539-CGS450V2400	CGS242T450X5L	2400	3.000 x 5.625	115.32	98.23	97.04
539-CGS450V3300	CGS332T450X5L	3300	3.000 x 5.625	226.49	201.32	181.18
539-CGS472T450X5C	CGS472T450X5C	4700	3.000 x 5.125	308.09	273.86	246.46