

# MALLORY Screw Terminal Aluminum Electrolytic Capacitors



## CGS - SERIES 85°C SCREW TERMINAL CAPACITORS

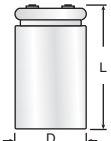
### Specifications:

- Temperature range: -40° to +85°C
- DC Leakage Current: I = .006  $\mu$ V after 30 minutes
- Not to exceed 6mA
- C = Capacitance in  $\mu$ F
- 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 & 91F Series		
General Electric - 86F Series	Rubycon - LSA Series		

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Cap ( $\mu$ F)	Case DxDL (in.)	Price Each		
				1	10	25
<b>16 Volt</b>						
539-CGS16V10000	CGS103U016R2C	10000	1.375 X 2.125	14.53	12.91	11.62
539-CGS16V15000	CGS153U016R2L	15000	1.375 X 2.625	15.74	13.99	12.59
539-CGS16V17000	CGS173U016R3C	17000	1.375 X 3.125	15.10	13.42	12.08
539-CGS16V38000	CGS383U016V3C	38000	2.000 X 3.125	20.25	18.00	16.20
539-CGS16V50000	CGS503U016V3C	50000	2.000 X 3.125	21.61	19.21	17.29
539-CGS663U016V4C	CGS663U016V4C	66000	2.000 X 4.125	26.71	23.74	21.37
539-CGS16V110000	CGS114U016W4C	110000	2.500 X 4.125	32.15	29.06	25.35
539-CGS16V210000	CGS214U016X5R	210000	3.000 X 5.875	53.47	47.53	42.78
<b>25 Volt</b>						
539-CGS25V8900	CGS892U025R3C	8900	1.375 X 3.125	16.38	14.56	13.11
539-CGS103U025R3C	CGS103U025R3C	10000	1.375 X 3.125	16.23	14.42	12.98
539-CGS25V12000	CGS123U025V3C	12000	2.000 X 3.125	22.20	19.74	17.76
539-CGS25V18000	CGS183U025R4C	18000	1.375 X 4.125	18.75	16.67	15.00
539-CGS25V20000	CGS203U025V3C	20000	2.000 X 3.125	20.58	18.29	16.46
539-CGS25V47000	CGS473U025V4C	47000	2.000 X 4.125	26.61	23.65	21.29
<b>30 Volt</b>						
539-CGS30V8000	CGS802U030R3C	8000	1.375 X 3.125	15.20	13.51	12.16
539-CGS30V30000	CGS303U030V4C	30000	2.000 X 4.125	25.34	22.53	20.28
539-CGS30V55000	CGS553U030W4C	55000	2.500 X 4.125	32.94	29.28	26.36
<b>40 Volt</b>						
539-CGS40V2200	CGS222U040R2C	2200	1.375 X 2.125	14.94	13.28	11.95
539-CGS40V2700	CGS272U040R2C	2700	1.375 X 2.125	15.20	13.51	12.16
539-CGS40V3500	CGS352U040R2C	3500	1.375 X 2.125	14.42	12.82	11.54
539-CGS472U040R2C	CGS472U040R2C	4700	1.375 X 2.125	15.20	13.51	12.16
539-CGS40V5100	CGS512U040R3C	5100	1.375 X 3.125	16.95	15.07	13.56
539-CGS40V6000	CGS602U040R3C	6000	1.375 X 3.125	16.38	14.56	13.11
539-CGS40V9000	CGS902U040R4C	9000	1.375 X 4.125	18.90	16.80	15.12
539-CGS40V11000	CGS113U040V3C	11000	2.000 X 3.125	21.74	19.32	17.39
539-CGS40V12000	CGS123U040R4C	12000	1.375 X 4.125	18.75	16.67	15.00
539-CGS40V13000	CGS133U040V4C	13000	2.000 X 4.125	27.20	24.18	21.76
539-CGS223U040V3C	CGS223U040V3C	22000	2.000 X 3.125	23.41	20.81	18.73
539-CGS40V23000	CGS233U040V4C	23000	2.000 X 4.125	24.01	21.34	19.20
539-CGS40V33000	CGS333U040V4C	33000	2.000 X 4.125	29.13	25.90	23.31
539-CGS40V40000	CGS403U040W4C	40000	2.500 X 4.125	31.53	28.02	25.22
539-CGS683U040X4C	CGS683U040X4C	68000	3.000 X 4.125	46.57	41.40	37.26
<b>50 Volt</b>						
539-CGS50V1600	CGS162U050R2C	1600	1.375 X 2.125	14.42	12.82	11.54
539-CGS50V2200	CGS222U050R2C	2200	1.375 X 2.125	15.56	13.83	12.45
539-CGS50V2900	CGS292U050R3C	2900	1.375 X 3.125	17.05	15.16	13.64
539-CGS50V4100	CGS412U050R3C	4100	1.375 X 3.125	17.10	15.20	13.68
539-CGS50V5000	CGS502U050R3C	5000	1.375 X 3.125	16.31	14.49	13.04
539-CGS50V6100	CGS612U050R4C	6100	1.375 X 4.125	18.86	16.76	15.08
539-CGS50V6500	CGS652U050V3C	6500	2.000 X 3.125	22.41	19.92	17.93
539-CGS682U050R3C	CGS682U050R3C	6800	1.375 X 3.125	15.61	13.88	12.49
539-CGS50V9600	CGS962U050V4C	9600	2.000 X 4.125	25.34	22.53	20.28
539-CGS50V10000	CGS103U050R4C	10000	1.375 X 4.125	18.96	16.85	15.17
539-CGS50V13000	CGS133U050V3C	13000	2.000 X 3.125	22.25	19.78	17.80
539-CGS50V15000	CGS153U050V4C	15000	2.000 X 4.125	23.24	20.74	18.67
539-CGS50V18000	CGS183U050V3C	18000	2.000 X 3.125	24.47	21.75	19.58
539-CGS50V20000	CGS203U050V4C	20000	2.000 X 4.125	25.63	22.78	20.50
539-CGS50V25000	CGS253U050W4C	25000	2.500 X 4.125	30.78	27.36	24.62
539-CGS313U050W4C	CGS313U050W4C	31000	2.500 X 4.125	34.25	31.14	28.02
539-CGS50V48000	CGS483U050X4C	48000	3.000 X 4.125	53.35	47.42	42.68
539-CGS50V56000	CGS563U050X3L	56000	3.000 X 3.625	53.40	47.46	42.72

For quantities of 50 and up, call for quote.

MOUSER STOCK NO.	Mallory Type CGS	Cap ( $\mu$ F)	Case DxDL (in.)	Price Each		
				1	10	25
<b>50 Volt (cont.)</b>						
539-CGS603U050X5C	CGS603U050X5C	60000	3.000 X 5.125	56.10	49.87	44.88
<b>75 Volt</b>						
539-CGS75V1500	CGS152U075R3C	1500	1.375 X 3.125	16.79	14.93	13.44
539-CGS75V2100	CGS212U075R3C	2100	1.375 X 3.125	16.23	14.42	12.98
539-CGS222U075R2C	CGS222U075R2C	2200	1.375 X 2.125	15.20	13.51	12.16
539-CGS75V2900	CGS292U075R3C	2900	1.375 X 3.125	24.21	21.52	19.37
539-CGS75V4200	CGS422U075R4C	4200	1.375 X 4.125	20.30	18.04	16.24
539-CGS75V4800	CGS482U075V3C	4800	2.000 X 3.125	23.41	20.81	18.73
539-CGS75V10000S	CGS103U075V3C	10000	2.000 X 3.125	23.90	21.25	19.12
539-CGS75V10000L	CGS103U075V4C	10000	2.000 X 4.125	24.31	21.61	19.45
539-CGS75V10000	CGS103U075R3C	10000	1.375 X 3.125	25.55	22.71	20.44
539-CGS123U075V4C	CGS123U075V4C	12000	2.000 X 4.125	26.09	23.19	20.87
539-CGS153U075V5L	CGS153U075V5L	15000	2.000 X 5.625	28.44	25.28	22.75
539-CGS75V25000L	CGS253U075W5L	25000	2.500 X 5.625	41.31	36.72	33.05
539-CGS75V25000S	CGS253U075X4C	25000	3.000 X 4.125	40.62	36.11	32.50
539-CGS75V37000	CGS373U075X5L	37000	3.000 X 5.625	55.95	49.73	44.76
<b>100 Volt</b>						
539-CGS100V1200	CGS122U100R3C	1200	1.375 X 3.125	16.74	14.88	13.39
539-CGS100V1700	CGS172U100R3C	1700	1.375 X 3.125	15.10	13.42	12.08
539-CGS100V10000	CGS103U100W4C	10000	2.500 X 4.125	33.28	29.58	26.62
539-CGS100V15000	CGS153U100X4C	15000	3.000 X 4.125	44.10	39.20	35.28
<b>150 Volt</b>						
539-CGS150V400	CGS401U150R2C	400	1.375 X 2.125	15.61	13.88	12.49
539-CGS150V12000	CGS123U150X5L	12000	3.000 X 5.625	69.13	61.45	55.31
<b>200 Volt</b>						
539-CGS200V1000	CGS102T200R4C	1000	1.375 X 4.125	18.75	16.67	15.00
539-CGS162T200V3C	CGS162T200V3C	1600	2.000 X 3.125	23.08	20.52	18.46
539-CGS200V2000	CGS202T200V4C	2000	2.000 X 4.125	25.86	22.99	20.69
539-CGS200V5500	CGS542T200X4L	5400	3.000 X 4.625	58.03	51.59	46.43
539-CGS200V7400	CGS742T200X5L	7400	3.000 X 5.625	72.10	64.09	57.68
539-CGS200V7700	CGS772T200X5L	7700	3.000 X 5.625	60.43	53.71	48.34
<b>250 Volt</b>						
539-CGS250V200	CGS201T250R2C	200	1.375 X 2.125	16.49	14.65	13.19
539-CGS251T250R2C	CGS251T250R2C	250	1.375 X 2.125	15.20	13.51	12.16
539-CGS250V5500	CGS551T250R4C	5500	1.375 X 4.125	18.90	16.80	15.12
539-CGS250V12000	CGS122T250V3C	12000	2.000 X 3.125	23.57	20.95	18.86
539-CGS250V6000	CGS602T250X5L	6000	3.000 X 5.625	73.67	65.48	58.93
<b>350 Volt</b>						
539-CGS350V250	CGS251T350R3C	250	1.375 X 3.125	16.87	15.00	13.50
539-CGS350V102V4C	CGS102T350V4C	1000	2.000 X 4.125	28.80	25.60	23.04
539-CGS350V3300	CGS332T350X5L	3300	3.000 X 5.625	71.45	63.51	57.16
<b>450 Volt</b>						
539-CGS450V75	CGS750T450R2C	75	1.375 X 2.125	14.94	13.28	11.95
539-CGS450V100	CGS101T450R2C	100	1.375 X 2.125	15.66	13.92	12.53
539-CGS450V140	CGS141T450R3C	140	1.375 X 3.125	16.95	15.07	13.56
539-CGS450V170	CGS171T450R3C	170	1.375 X 3.125	17.85	15.87	14.28
539-CGS450V210	CGS211T450R4C	210	1.375 X 4.125	18.75	16.67	15.00
539-CGS450V320	CGS321T450V3C	320	2.000 X 3.125	24.06	21.38	19.25
539-CGS450V400	CGS401T450R5L	400	1.375 X 5.625	26.61	23.65	21.29
539-CGS450V450	CGS451T450V3C	450	2.000 X 3.125	28.64	25.46	22.91
539-CGS450V650	CGS651T450V4C	650	2.000 X 4.125	32.12	28.55	25.70
539-CGS450V800	CGS801T450V4L	800	2.000 X 4.625	39.38	35.01	31.51
539-CGS450V1000	CGS102T450W4C	1000	2.500 X 4.125	41.78	37.14	33.42
539-CGS450V1400	CGS142T450W5C	1400	2.500 X 5.125	53.16	47.26	42.53
539-CGS152T450X5C	CGS152T450X5C	1500	3.000 X 5.125	60.94	54.17	48.75
539-CGS450V2000	CGS202T450X5C	2000	3.000 X 5.125	75.32	66.95	60.25
539-CGS450V2400	CGS242T450X5L	2400	3.000 X 5.625	85.62	76.11	68.50
539-CGS450V3300	CGS332T450X5L	3300	3.000 X 5.625	110.58	98.29	88.46
539-CGS472T450X5C	CGS472T450X5C	4700	3.000 X 5.125	144.97	128.86	1