

# TYPE CGS

## Computer Grade Aluminum Electrolytic Capacitor

### FEATURES:

- High Capacitance
- High Voltage
- High Ripple Current

The CGS capacitor manufactured by Aerovox is a high performance computer grade aluminum electrolytic capacitor designed to meet the stringent requirements of power supplies and other high ripple current applications.

Type CGS capacitors are designed to operate continuously over the temperature range of -40°C to +85°C at rated voltage and offer the user maximum capacitance values in computer grade aluminum electrolytics.

### PERFORMANCE CHARACTERISTICS:

- VOLTAGE: 6.3 to 450 VDC
- OPERATING TEMPERATURE:  
-40°C to +95°C (6.3 - 100 VDC)  
-40°C to +85°C (150 - 450 VDC)
- CAPACITANCE TOLERANCE:  
-10%, +75% (6.3 - 150 VDC)  
-10%, +50% (200 - 450 VDC)
- QA STABILITY TEST: After application of DC rated voltage for 2000 hours at +85°C, stabilize at +25°C:
  - Capacitance change  $\pm 15\%$ .
  - DC leakage current meets initial limits.
  - ESR equal to or less than 1.5x specified limit.

#### ● RIPPLE CURRENT

The maximum ripple current recommended for CGS capacitors is shown in the Standard Rating Table. Ripple current ratings are based on 120Hz ripple at 85°C. Maximum ripple current may be adjusted for operation at a frequency other than 120Hz and a temperature other than 85°C by multiplying the following factors:

Rated WVdc	Ripple Multipliers at				
	60 Hz	120 Hz	400 Hz	1000 Hz	2500 Hz
3 to 50	0.8	1.0	1.05	1.10	1.14
51-150	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	1.0
+75°C	1.4
+65°C	1.7
+55°C	2.0
+45°C	2.2

#### ● DC LEAKAGE CURRENT

PRE-CONDITIONING. In the period 24 to 48 hours prior to test, rated working voltage shall be applied to the capacitor for a minimum of 30 minutes.

MEASUREMENT. Measurement shall be made at 25°C  $\pm 5^\circ\text{C}$ . Voltage shall be applied to the capacitor thru a current limiting resistor. The leakage current shall be measured 5 minutes after the capacitor reaches rated voltage. Leakage current shall not exceed the value calculated as shown:

$$I = .006 \sqrt{CV}$$

C = Rated Capacitance ( $\mu\text{F}$ )

V = Rated Voltage (volts)

I = Leakage Current (mA)

In no case, however, shall the dc leakage current limit exceed 6.0 mA.

## Case Code Chart

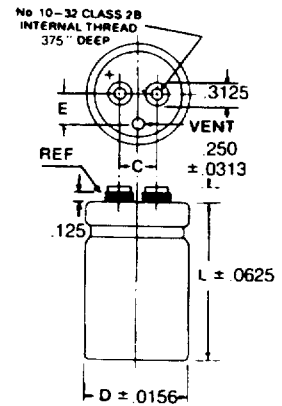
Case Code	Uninsulated Can Size						Mounting Bracket
	Inches		(mm)		Inches		
	Dia	Lg	Dia	Lg	C	C	
R2C	1.375	2.125	35	54.0	.500	12.7	VR3
R2L	1.375	2.625	35	67.0	.500	12.7	VR3
R3C	1.375	3.125	35	79.4	.500	12.7	VR3
R3L	1.375	3.625	35	92.0	.500	12.7	VR3
R4C	1.375	4.125	35	105	.500	12.7	VR3
R4L	1.375	4.625	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	54.0	.750	19	VR6
U2L	1.750	2.625	44.5	67.0	.750	19	VR6
U3C	1.750	3.125	44.5	79.4	.750	19	VR6
U3L	1.750	3.625	44.5	92.0	.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	54.0	.875	22.23	VR8
V2L	2.000	2.625	50.8	67.0	.875	22.23	VR8
V3C	2.000	3.125	50.8	79.4	.875	22.23	VR8
V3L	2.000	3.625	50.8	92.0	.875	22.23	VR8
V4C	2.000	4.125	50.8	105	.875	22.23	VR8
V4L	2.000	4.625	50.8	117.5	.875	22.23	VR8
V5C	2.000	5.125	50.8	130	.875	22.23	VR8
V5L	2.000	5.625	50.8	143	.875	22.23	VR8
W3C	2.500	3.125	63.5	79.4	1.125	28.58	VR10
W3L	2.500	3.625	63.5	92.0	1.125	28.58	VR10
W4C	2.500	4.125	63.5	105	1.125	28.58	VR10
W4L	2.500	4.625	63.5	117.5	1.125	28.58	VR10
W5C	2.500	5.125	63.5	130	1.125	28.58	VR10
W5L	2.500	5.625	63.5	143	1.125	28.58	VR10
X3L	3.000	3.625	76.2	92.0	1.250	31.75	VR12
X4C	3.000	4.125	76.2	105	1.250	31.75	VR12
X4L	3.000	4.625	76.2	117.5	1.250	31.75	VR12
X5C	3.000	5.125	76.2	130	1.250	31.75	VR12
X5L	3.000	5.625	76.2	143	1.250	31.75	VR12
X5R	3.000	5.875	76.2	149	1.250	31.75	VR12
X6L	3.000	6.625	76.2	168	1.250	31.75	VR12
X7L	3.000	7.625	76.2	194	1.250	31.75	VR12
X8L	3.000	8.625	76.2	219	1.250	31.75	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

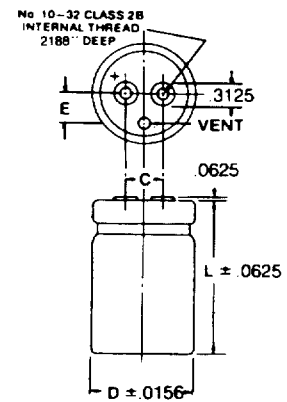
Not available in 1" dia.



## Low Post (L)

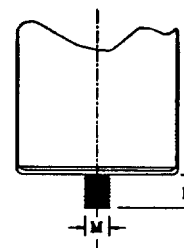
Can Dia.	E
1.375	.390
1.750	.453
2.000	.500
2.500	.625
3.000	.750

Not available in 1" dia.



## Stud Can Mount

CASE DIA	M THREAD	N IN./MM
1.375	M8	0.472/12
2.000	M12	0.630/16
2.500	M12	0.630/16
3.000	M12	0.630/16



# Type CGS

# Part Number Information

## Aerovox Catalog #

CGS 463 U 016 R4L 3 P H

### Aerovox Type Number

This identifies the basic capacitor design.

### Capacitance

Expressed in microfarads. The first two digits are significant figures, the third is the number of zeros.

### Capacitance Tolerance

U = -10%, +75% (0 to 150 VDC)  
T = -10%, +50% (151 to 450 VDC)  
N = -10%, +100%  
M = ±20%

### DC Voltage Rating

Expressed in volts. Zeros are used to precede the voltage rating where necessary to complete the three digit block. The letter "R" indicates a decimal point.

### Case Code

(see preceding page)

### Insulating Sleeve

3 = .008 PVC insulating sleeve. (Standard)  
4 = .012" Minimum thickness PVC insulating sleeve.

### Polarity

P = Polar

### Terminal

H = High Post  
L = Low Post

F = High Post Metric Thread  
G = Low Post Metric Thread

### Stud Mount

For stud mount, add an S after terminal designation

D = Low Resistance Screw Insert  
(see page 23 for outline dimensions)

# Type CGS

# Standard Ratings

CAP. (μF)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 6.3 WVDC; 8 VDC SURGE

27,000	1.375	2.125	0.0478	5.19	CGS273U6R3R2C3PH
40,000	1.375	2.625	0.0341	6.74	CGS403U6R3R2L3PH
52,000	1.375	3.125	0.0273	8.13	CGS523U6R3R3C3PH
55,000	1.375	3.625	0.0262	8.89	CGS553U6R3R3L3PH
73,000	1.375	4.125	0.0213	10.47	CGS733U6R3R4C3PH
83,000	1.375	4.625	0.0197	11.48	CGS833U6R3R4L3PH
98,000	1.375	5.125	0.0179	12.62	CGS983U6R3R5C3PH
100,000	1.375	5.625	0.0174	13.35	CGS104U6R3R5L3PH
48,000	1.750	2.125	0.0250	8.25	CGS483U6R3U2C3PH
69,000	1.750	2.625	0.0179	10.64	CGS693U6R3U2L3PH
91,000	1.750	3.125	0.0142	12.91	CGS913U6R3U3C3PH
96,000	1.750	3.625	0.0135	14.10	CGS963U6R3U3L3PH
120,000	1.750	4.125	0.0111	16.46	CGS124U6R3U4C3PH
140,000	1.750	4.625	0.0101	18.23	CGS144U6R3U4L3PH
170,000	1.750	5.125	0.0090	20.26	CGS174U6R3U5C3PH
190,000	1.750	5.625	0.0084	21.83	CGS194U6R3U5L3PH
68,000	2.000	2.125	0.0222	9.47	CGS683U6R3V2C3PH
98,000	2.000	2.625	0.0159	12.18	CGS983U6R3V2L3PH
120,000	2.000	3.125	0.0129	14.57	CGS124U6R3V3C3PH
130,000	2.000	3.625	0.0123	15.95	CGS134U6R3V3L3PH
180,000	2.000	4.125	0.0098	18.86	CGS184U6R3V4C3PH
200,000	2.000	4.625	0.0091	20.62	CGS204U6R3V4L3PH
240,000	2.000	5.125	0.0082	22.74	CGS244U6R3V5C3PH
250,000	2.000	5.625	0.0078	24.28	CGS254U6R3V5L3PH
220,000	2.500	3.125	0.0131	16.43	CGS224U6R3W3C3PH
230,000	2.500	3.625	0.0125	17.92	CGS234U6R3W3L3PH
310,000	2.500	4.125	0.0102	21.03	CGS314U6R3W4C3PH
350,000	2.500	4.625	0.0094	22.96	CGS354U6R3W4L3PH
410,000	2.500	5.125	0.0085	25.29	CGS414U6R3W5C3PH
440,000	2.500	5.625	0.0079	27.27	CGS444U6R3W5L3PH
340,000	3.000	3.625	0.0147	18.36	CGS344U6R3X3L3PH
480,000	3.000	4.125	0.0122	21.32	CGS484U6R3X4C3PH
540,000	3.000	4.625	0.0112	23.32	CGS544U6R3X4L3PH
640,000	3.000	5.125	0.0101	25.73	CGS644U6R3X5C3PH
680,000	3.000	5.625	0.0092	28.04	CGS684U6R3X5L3PH
720,000	3.000	5.875	0.0094	28.24	CGS724U6R3X5R3PH
840,000	3.000	6.625	0.0087	30.92	CGS844U6R3X6L3PH
990,000	3.000	7.625	0.0070	36.84	CGS994U6R3X7L3PH
1,100,000	3.000	8.625	0.0064	40.75	CGS115U6R3X8L3PH

### 7.5 WVDC; 9 VDC SURGE

25,000	1.375	2.125	0.0482	5.17	CGS253U7R5R2C3PH
37,000	1.375	2.625	0.0344	6.71	CGS373U7R5R2L3PH
48,000	1.375	3.125	0.0276	8.10	CGS483U7R5R3C3PH
51,000	1.375	3.625	0.0263	8.86	CGS513U7R5R3L3PH
69,000	1.375	4.125	0.0213	10.46	CGS693U7R5R4C3PH
77,000	1.375	4.625	0.0198	11.44	CGS773U7R5R4L3PH
92,000	1.375	5.125	0.0179	12.60	CGS923U7R5R5C3PH
97,000	1.375	5.625	0.0173	13.41	CGS973U7R5R5L3PH
45,000	1.750	2.125	0.0251	8.23	CGS453U7R5U2C3PH

CAP. (μF)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 7.5 WVDC; 9 VDC SURGE

65,000	1.750	2.625	0.0179	10.64	CGS653U7R5U2L3PH
85,000	1.750	3.125	0.0142	12.88	CGS853U7R5U3C3PH
90,000	1.750	3.625	0.0136	14.08	CGS903U7R5U3L3PH
120,000	1.750	4.125	0.0109	16.68	CGS124U7R5U4C3PH
130,000	1.750	4.625	0.0102	18.16	CGS134U7R5U4L3PH
160,000	1.750	5.125	0.0090	20.25	CGS164U7R5U5C3PH
180,000	1.750	5.625	0.0084	21.84	CGS184U7R5U5L3PH
64,000	2.000	2.125	0.0222	9.46	CGS643U7R5V2C3PH
92,000	2.000	2.625	0.0160	12.16	CGS923U7R5V2L3PH
120,000	2.000	3.125	0.0128	14.66	CGS124U7R5V3C3PH
120,000	2.000	3.625	0.0124	15.9	CGS124U7R5V3L3PH
170,000	2.000	4.125	0.0098	18.85	CGS174U7R5V4C3PH
190,000	2.000	4.625	0.0091	20.62	CGS194U7R5V4L3PH
220,000	2.000	5.125	0.0083	22.66	CGS224U7R5V5C3PH
240,000	2.000	5.625	0.0078	24.3	CGS244U7R5V5L3PH
200,000	2.500	3.125	0.0131	16.47	CGS204U7R5W3C3PH
210,000	2.500	3.625	0.0125	17.95	CGS214U7R5W3L3PH
290,000	2.500	4.125	0.0102	21.01	CGS294U7R5W4C3PH
320,000	2.500	4.625	0.0094	23.00	CGS324U7R5W4L3PH
380,000	2.500	5.125	0.0085	25.29	CGS384U7R5W5C3PH
410,000	2.500	5.625	0.0079	27.25	CGS414U7R5W5L3PH
310,000	3.000	3.625	0.0146	18.47	CGS314U7R5X3L3PH
450,000	3.000	4.125	0.0122	21.29	CGS454U7R5X4C3PH
500,000	3.000	4.625	0.0112	23.36	CGS504U7R5X4L3PH
600,000	3.000	5.125	0.0101	25.70	CGS604U7R5X5C3PH
630,000	3.000	5.625	0.0092	28.07	CGS634U7R5X5L3PH
670,000	3.000	5.875	0.0094	28.25	CGS674U7R5X5R3PH
790,000	3.000	6.625	0.0088	20.87	CGS794U7R5X6L3PH
930,000	3.000	7.625	0.0070	36.79	CGS934U7R5X7L3PH
1,000,000	3.000	8.625	0.0063	40.93	CGS105U7R5X8L3PH

### 10 WVDC; 12 VDC SURGE

22,000	1.375	2.125	0.0490	5.13	CGS223U0I0R2C3PH
33,000	1.375	2.625	0.0347	6.68	CGS333U0I0R2L3PH
43,000	1.375	3.125	0.0278	8.06	CGS433U0I0R3C3PH
45,000	1.375	3.625	0.0267	8.80	CGS453U0I0R3L3PH
61,000	1.375	4.125	0.0215	10.40	CGS613U0I0R4C3PH
68,000	1.375	4.625	0.0200	11.37	CGS683U0I0R4L3PH
81,000	1.375	5.125	0.0182	12.53	CGS813U0I0R5C3PH
86,000	1.375	5.625	0.0175	13.34	CGS863U0I0R5L3PH
40,000	1.750	2.125	0.0254	8.18	CGS403U0I0U2C3PH
57,000	1.750	2.625	0.0183	10.54	CGS573U0I0U2L3PH
75,000	1.750	3.125	0.0145	12.78	CGS753U0I0U3C3PH
80,000	1.750	3.625	0.0137	13.99	CGS803U0I0U3L3PH
100,000	1.750	4.125	0.0113	16.34	CGS104U0I0U4C3PH
120,000	1.750	4.625	0.0101	18.20	CGS124U0I0U4L3PH
140,000	1.750	5.125	0.0091	20.08	CGS144U0I0U5C3PH
160,000	1.750	5.625	0.0085	21.74	CGS164U0I0U5L3PH
56,000	2.000	2.125	0.0225	9.39	CGS563U0I0V2C3PH
81,000	2.000	2.625	0.0162	12.09	CGS813U0I0V2L3PH

# Type CGS

# Standard Ratings

CAP. (μF)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 10 WVDC; 12 VDC SURGE

100,000	2.000	3.125	0.0131	14.47	CGS104U010V3C3PH
110,000	2.000	3.625	0.0124	15.87	CGS114U010V3L3PH
150,000	2.000	4.125	0.0099	18.75	CGS154U010V4C3PH
170,000	2.000	4.625	0.0092	20.54	CGS174U010V4L3PH
200,000	2.000	5.125	0.0083	22.61	CGS204U010V5C3PH
210,000	2.000	5.625	0.0079	24.17	CGS214U010V5L3PH
180,000	2.500	3.125	0.0132	16.39	CGS184U010W3C3PH
190,000	2.500	3.625	0.0126	17.85	CGS194U010W3L3PH
250,000	2.500	4.125	0.0102	21.01	CGS254U010W4C3PH
290,000	2.500	4.625	0.0095	22.88	CGS294U010W4L3PH
340,000	2.500	5.125	0.0086	25.20	CGS344U010W5C3PH
360,000	2.500	5.625	0.0080	27.20	CGS364U010W5L3PH
280,000	3.000	3.625	0.0148	18.34	CGS284U010X3L3PH
390,000	3.000	4.125	0.0121	21.37	CGS394U010X4C3PH
440,000	3.000	4.625	0.0112	23.26	CGS444U010X4L3PH
530,000	3.000	5.125	0.0101	25.68	CGS534U010X5C3PH
560,000	3.000	5.625	0.0092	28.01	CGS564U010X5L3PH
590,000	3.000	5.875	0.0094	28.25	CGS594U010X5R3PH
690,000	3.000	6.625	0.0087	30.92	CGS694U010X6L3PH
820,000	3.000	7.625	0.0070	36.77	CGS824U010X7L3PH
960,000	3.000	8.625	0.0065	40.30	CGS964U010X8L3PH

### 16 WVDC; 18 VDC SURGE

15,000	1.375	2.125	0.0529	4.93	CGS153U016R2C3PH
22,000	1.375	2.625	0.0378	6.40	CGS223U016R2L3PH
29,000	1.375	3.125	0.0301	7.76	CGS293U016R3C3PH
31,000	1.375	3.625	0.0286	8.50	CGS313U016R3L3PH
41,000	1.375	4.125	0.0231	10.03	CGS413U016R4C3PH
46,000	1.375	4.625	0.0214	11.00	CGS463U016R4L3PH
55,000	1.375	5.125	0.0193	12.15	CGS553U016R5C3PH
58,000	1.375	5.625	0.0184	12.98	CGS583U016R5L3PH
27,000	1.750	2.125	0.0272	7.91	CGS273U016U2C3PH
39,000	1.750	2.625	0.0194	10.23	CGS393U016U2L3PH
51,000	1.750	3.125	0.0154	12.40	CGS513U016U3C3PH
54,000	1.750	3.625	0.0146	13.56	CGS543U016U3L3PH
72,000	1.750	4.125	0.0116	16.10	CGS723U016U4C3PH
81,000	1.750	4.625	0.0107	17.69	CGS813U016U4L3PH
96,000	1.750	5.125	0.0096	19.61	CGS963U016U5C3PH
100,000	1.750	5.625	0.0091	20.94	CGS104U016U5L3PH
38,000	2.000	2.125	0.0252	8.88	CGS383U016V2C3PH
55,000	2.000	2.625	0.0181	11.45	CGS553U016V2L3PH
72,000	2.000	3.125	0.0143	13.83	CGS723U016V3C3PH
76,000	2.000	3.625	0.0137	15.1	CGS763U016V3L3PH
100,000	2.000	4.125	0.0110	17.85	CGS104U016V4C3PH
110,000	2.000	4.625	0.0101	19.56	CGS114U016V4L3PH
130,000	2.000	5.125	0.0091	21.62	CGS134U016V5C3PH
140,000	2.000	5.625	0.0086	23.25	CGS144U016V5L3PH
120,000	2.500	3.125	0.0157	15.04	CGS124U016W3C3PH
130,000	2.500	3.625	0.0151	16.32	CGS134U016W3L3PH
170,000	2.500	4.125	0.0120	19.36	CGS174U016W4C3PH

CAP. (μF)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 16 WVDC; 18 VDC SURGE

190,000	2.500	4.625	0.0110	21.24	CGS194U016W4L3PH
230,000	2.500	5.125	0.0099	23.40	CGS234U016W5C3PH
240,000	2.500	5.625	0.0091	25.49	CGS244U016W5L3PH
190,000	3.000	3.625	0.0184	16.42	CGS194U016X3L3PH
270,000	3.000	4.125	0.0152	19.11	CGS274U016X4C3PH
300,000	3.000	4.625	0.0138	21.05	CGS304U016X4L3PH
360,000	3.000	5.125	0.0123	23.28	CGS364U016X5C3PH
380,000	3.000	5.625	0.0110	25.60	CGS384U016X5L3PH
400,000	3.000	5.875	0.0113	25.75	CGS404U016X5R3PH
470,000	3.000	6.625	0.0104	28.33	CGS474U016X6L3PH
560,000	3.000	7.625	0.0084	33.55	CGS564U016X7L3PH
650,000	3.000	8.625	0.0077	37.15	CGS654U016X8L3PH

### 20 WVDC; 25 VDC SURGE

13,000	1.375	2.125	0.0538	4.89	CGS133U020R2C3PH
19,000	1.375	2.625	0.0384	6.35	CGS193U020R2L3PH
24,000	1.375	3.125	0.0309	7.65	CGS243U020R3C3PH
26,000	1.375	3.625	0.0293	8.40	CGS263U020R3L3PH
35,000	1.375	4.125	0.0235	9.95	CGS353U020R4C3PH
39,000	1.375	4.625	0.0218	10.90	CGS393U020R4L3PH
46,000	1.375	5.125	0.0197	12.02	CGS463U020R5C3PH
49,000	1.375	5.625	0.0188	12.87	CGS493U020R5L3PH
22,000	1.750	2.125	0.0283	7.75	CGS223U020U2C3PH
33,000	1.750	2.625	0.0199	10.10	CGS333U020U2L3PH
43,000	1.750	3.125	0.0157	12.25	CGS433U020U3C3PH
45,000	1.750	3.625	0.0151	13.37	CGS453U020U3L3PH
61,000	1.750	4.125	0.0119	15.93	CGS613U020U4C3PH
68,000	1.750	4.625	0.0110	17.48	CGS683U020U4L3PH
81,000	1.750	5.125	0.0098	19.41	CGS813U020U5C3PH
91,000	1.750	5.625	0.0091	20.97	CGS913U020U5L3PH
32,000	2.000	2.125	0.0257	8.79	CGS323U020V2C3PH
46,000	2.000	2.625	0.0184	11.34	CGS613U020V3C3PH
61,000	2.000	3.125	0.0146	13.71	CGS613U020V3C3PH
65,000	2.000	3.625	0.0139	14.97	CGS653U020V3L3PH
86,000	2.000	4.125	0.0111	17.71	CGS863U020V4C3PH
97,000	2.000	4.625	0.0103	19.43	CGS973U020V4L3PH
110,000	2.000	5.125	0.0092	21.45	CGS114U020V5C3PH
120,000	2.000	5.625	0.0087	23.09	CGS124U020V5L3PH
100,000	2.000	3.125	0.0158	15.00	CGS104U020W3C3PH
110,000	2.000	3.625	0.0152	16.24	CGS114U020W3L3PH
140,000	2.000	4.125	0.0120	19.35	CGS144U020W4C3PH
160,000	2.000	4.625	0.0111	21.16	CGS164U020W4L3PH
190,000	2.000	5.125	0.0099	23.38	CGS194U020W5C3PH
200,000	2.000	5.625	0.0091	25.43	CGS204U020W5L3PH
160,000	3.000	3.625	0.0185	16.40	CGS164U020X3L3PH
220,000	3.000	4.125	0.0149	19.28	CGS224U020X4C3PH
250,000	3.000	4.625	0.0137	21.09	CGS254U020X4L3PH
300,000	3.000	5.125	0.0123	23.32	CGS304U020X5C3PH
320,000	3.000	5.625	0.0111	25.57	CGS324U020X5L3PH
340,000	3.000	5.875	0.0114	25.66	CGS344U020X5R3PH

# Type CGS

# Standard Ratings

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 20 WVDC; 25 VDC SURGE

400,000	3.000	6.625	0.0105	28.23	CGS404U020X6L3PH
470,000	3.000	7.625	0.0084	33.55	CGS474U020X7L3PH
550,000	3.000	8.625	0.0077	37.08	CGS554U020X8L3PH

### 25 WVDC; 30 VDC SURGE

13,000	1.375	2.125	0.044	4.10	CGS133U025R2C3PH
18,000	1.375	2.625	0.025	7.12	CGS183U025R2L3PH
23,000	1.375	3.125	0.021	8.42	CGS233U025R3C3PH
29,000	1.375	3.625	0.018	9.65	CGS293U025R3L3PH
34,000	1.375	4.125	0.016	10.90	CGS343U025R4C3PH
39,000	1.375	4.625	0.015	11.90	CGS393U025R4L3PH
44,000	1.375	5.125	0.013	13.00	CGS443U025R5C3PH
50,000	1.375	5.625	0.012	14.00	CGS503U025R5L3PH
25,000	1.750	2.125	0.022	6.80	CGS253U025U2C3PH
33,000	1.750	2.625	0.014	11.30	CGS333U025U2L3PH
43,000	1.750	3.125	0.011	13.40	CGS433U025U3C3PH
52,000	1.750	3.625	0.010	15.20	CGS523U025U3L3PH
62,000	1.750	4.125	0.009	16.90	CGS623U025U4C3PH
72,000	1.750	4.625	0.008	18.60	CGS723U025U4L3PH
81,000	1.750	5.125	0.007	20.20	CGS813U025U5C3PH
91,000	1.750	5.625	0.007	21.80	CGS913U025U5L3PH
34,000	2.000	2.125	0.025	6.80	CGS343U025V2C3PH
41,000	2.000	2.625	0.022	7.90	CGS413U025V2L3PH
55,000	2.000	3.125	0.017	9.50	CGS553U025V3C3PH
68,000	2.000	3.625	0.015	11.00	CGS683U025V3L3PH
82,000	2.000	4.125	0.013	12.30	CGS823U025V4C3PH
96,000	2.000	4.625	0.011	13.60	CGS963U025V4L3PH
110,000	2.000	5.125	0.011	14.80	CGS114U025V5C3PH
120,000	2.000	5.625	0.010	15.90	CGS124U025V5L3PH
91,000	2.000	3.125	0.023	9.40	CGS913U025W3C3PH
110,000	2.000	3.625	0.020	10.90	CGS114U025W3L3PH
130,000	2.000	4.125	0.017	12.30	CGS134U025W4C3PH
160,000	2.000	4.625	0.015	13.60	CGS164U025W4L3PH
180,000	2.000	5.125	0.014	14.80	CGS184U025W5C3PH
200,000	2.000	5.625	0.012	16.00	CGS204U025W5L3PH
160,000	3.000	3.625	0.013	14.70	CGS164U025X3L3PH
200,000	3.000	4.125	0.012	16.50	CGS204U025X4C3PH
230,000	3.000	4.625	0.010	18.20	CGS234U025X4L3PH
270,000	3.000	5.125	0.010	19.80	CGS274U025X5C3PH
300,000	3.000	5.625	0.009	21.30	CGS304U025X5L3PH
320,000	3.000	5.875	0.009	22.10	CGS324U025X5R3PH
360,000	3.000	6.625	0.008	23.60	CGS364U025X6L3PH
380,000	3.000	7.625	0.008	24.40	CGS384U025X7L3PH
480,000	3.000	8.625	0.007	28.60	CGS484U025X8L3PH

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 30 WVDC; 35 VDC SURGE

11,000	1.375	2.125	0.044	4.10	CGS113U030R2C3PH
15,000	1.375	2.625	0.026	7.02	CGS153U030R2L3PH
19,000	1.375	3.125	0.022	8.30	CGS193U030R3C3PH
24,000	1.375	3.625	0.018	9.60	CGS243U030R3L3PH
28,000	1.375	4.125	0.016	10.70	CGS283U030R4C3PH
33,000	1.375	4.625	15	11.80	CGS333U030R4L3PH
38,000	1.375	5.125	0.018	9.20	CGS383U030R5C3PH
43,000	1.375	5.625	0.016	10.00	CGS433U030R5L3PH
21,000	1.750	2.125	0.064	3.90	CGS213U030U2C3PH
28,000	1.750	2.625	0.013	11.20	CGS283U030U2L3PH
36,000	1.750	3.125	0.011	13.20	CGS363U030U3C3PH
44,000	1.750	3.625	0.010	14.90	CGS443U030U3L3PH
52,000	1.750	4.125	0.009	16.80	CGS523U030U4C3PH
61,000	1.750	4.625	0.027	8.20	CGS613U030U4L3PH
70,000	1.750	5.125	0.024	9.00	CGS703U030U5C3PH
79,000	1.750	5.625	0.023	9.80	CGS793U030U5L3PH
29,000	2.000	2.125	0.078	3.90	CGS293U030V2C3PH
35,000	2.000	2.625	0.065	4.60	CGS353U030V2L3PH
47,000	2.000	3.125	0.050	5.50	CGS473U030V3C3PH
59,000	2.000	3.625	0.042	6.50	CGS593U030V3L3PH
71,000	2.000	4.125	0.036	7.40	CGS713U030V4C3PH
83,000	2.000	4.625	0.031	8.20	CGS833U030V4L3PH
95,000	2.000	5.125	0.030	9.00	CGS953U030V5C3PH
100,000	2.000	5.625	0.026	9.70	CGS104U030V5L3PH
79,000	2.500	3.125	0.024	9.40	CGS793U030W3C3PH
98,000	2.500	3.625	0.020	10.80	CGS983U030W3L3PH
110,000	2.500	4.125	0.017	12.20	CGS114U030W4C3PH
130,000	2.500	4.625	0.015	13.50	CGS134U030W4L3PH
150,000	2.500	5.125	0.014	14.70	CGS154U030W5C3PH
170,000	2.500	5.625	0.013	15.90	CGS174U030W5L3PH
140,000	3.000	3.625	0.024	11.10	CGS144U030X3L3PH
170,000	3.000	4.125	0.020	12.50	CGS174U030X4C3PH
200,000	3.000	4.625	0.018	13.90	CGS204U030X4L3PH
230,000	3.000	5.125	0.016	15.20	CGS234U030X5C3PH
260,000	3.000	5.625	0.015	16.40	CGS264U030X5L3PH
270,000	3.000	5.875	0.015	16.80	CGS274U030X5R3PH
310,000	3.000	6.625	0.014	18.30	CGS314U030X6L3PH
330,000	3.000	7.625	0.013	19.20	CGS334U030X7L3PH
420,000	3.000	8.625	0.011	22.60	CGS424U030X8L3PH

# Type CGS

# Standard Ratings

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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## 35 WVDC; 40 VDC SURGE

10,000	1.375	2.125	0.044	4.10	CGS103U035R2C3PH
12,000	1.375	2.625	0.038	4.80	CGS123U035R2L3PH
16,000	1.375	3.125	0.030	5.80	CGS163U035R3C3PH
21,000	1.375	3.625	0.025	6.70	CGS213U035R3L3PH
25,000	1.375	4.125	0.021	7.60	CGS253U035R4C3PH
29,000	1.375	4.625	0.020	8.40	CGS293U035R4L3PH
33,000	1.375	5.125	0.018	9.20	CGS333U035R5C3PH
37,000	1.375	5.625	0.016	9.90	CGS373U035R5L3PH
19,000	1.750	2.125	0.065	3.90	CGS193U035U2C3PH
23,000	1.750	2.625	0.055	4.60	CGS233U035U2L3PH
30,000	1.750	3.125	0.043	5.60	CGS303U035U3C3PH
38,000	1.750	3.625	0.035	6.50	CGS383U035U3L3PH
46,000	1.750	4.125	0.031	7.30	CGS463U035U4C3PH
54,000	1.750	4.625	0.027	8.20	CGS543U035U4L3PH
61,000	1.750	5.125	0.025	9.00	CGS613U035U5C3PH
69,000	1.750	5.625	0.023	9.70	CGS693U035U5L3PH
26,000	2.000	2.125	0.079	3.90	CGS263U035V2C3PH
31,000	2.000	2.625	0.067	4.50	CGS313U035V2L3PH
41,000	2.000	3.125	0.052	5.50	CGS413U035V3C3PH
52,000	2.000	3.625	0.042	6.40	CGS523U035V3L3PH
62,000	2.000	4.125	0.036	7.30	CGS623U035V4C3PH
73,000	2.000	4.625	0.032	8.10	CGS733U035V4L3PH
83,000	2.000	5.125	0.029	8.90	CGS833U035V5C3PH
94,000	2.000	5.625	0.027	9.70	CGS943U035V5L3PH
69,000	2.500	3.125	0.024	9.30	CGS693U035W3C3PH
87,000	2.500	3.625	0.020	10.80	CGS873U035W3L3PH
100,000	2.500	4.125	0.017	12.10	CGS104U035W4C3PH
120,000	2.500	4.625	0.015	13.40	CGS124U035W4L3PH
130,000	2.500	5.125	0.014	14.60	CGS134U035W5C3PH
150,000	2.500	5.625	0.013	15.80	CGS154U035W5L3PH
120,000	3.000	3.625	0.025	10.90	CGS124U035X3L3PH
150,000	3.000	4.125	0.021	12.30	CGS154U035X4C3PH
170,000	3.000	4.625	0.019	13.60	CGS174U035X4L3PH
200,000	3.000	5.125	0.017	14.90	CGS204U035X5C3PH
230,000	3.000	5.625	0.015	16.20	CGS234U035X5L3PH
240,000	3.000	5.875	0.015	16.70	CGS244U035X5R3PH
270,000	3.000	6.625	0.014	17.90	CGS274U035X6L3PH
290,000	3.000	7.625	0.014	18.90	CGS294U035X7L3PH
370,000	3.000	8.625	0.012	22.30	CGS374U035X8L3PH

## 40 WVDC; 50 VDC SURGE

9,000	1.375	2.125	0.045	4.00	CGS902U040R2C3PH
11,000	1.375	2.625	0.027	6.84	CGS113U040R2L3PH
14,000	1.375	3.125	0.023	8.10	CGS143U040R3C3PH
18,000	1.375	3.625	0.025	6.70	CGS183U040R3L3PH
21,000	1.375	4.125	0.022	7.60	CGS213U040R4C3PH
25,000	1.375	4.625	0.019	8.40	CGS253U040R4L3PH
28,000	1.375	5.125	0.018	9.20	CGS283U040R5C3PH
32,000	1.375	5.625	0.017	9.90	CGS323U040R5L3PH
16,000	1.750	2.125	0.066	3.90	CGS163U040U2C3PH
20,000	1.750	2.625	0.015	10.80	CGS203U040U2L3PH
26,000	1.750	3.125	0.012	12.80	CGS263U040U3C3PH
33,000	1.750	3.625	0.036	6.40	CGS333U040U3L3PH
39,000	1.750	4.125	0.031	7.30	CGS393U040U4C3PH
46,000	1.750	4.625	0.027	8.10	CGS463U040U4L3PH
52,000	1.750	5.125	0.025	8.90	CGS523U040U5C3PH
59,000	1.750	5.625	0.023	9.70	CGS593U040U5L3PH
22,000	2.000	2.125	0.081	3.80	CGS223U040V2C3PH
26,000	2.000	2.625	0.068	4.50	CGS263U040V2L3PH
35,000	2.000	3.125	0.052	5.40	CGS353U040V3C3PH
44,000	2.000	3.625	0.043	6.30	CGS443U040V3L3PH
53,000	2.000	4.125	0.037	7.20	CGS533U040V4C3PH
62,000	2.000	4.625	1.033	8.00	CGS623U040V4L3PH
71,000	2.000	5.125	0.030	8.80	CGS713U040V5C3PH
80,000	2.000	5.625	0.027	9.60	CGS803U040V5L3PH
59,000	2.500	3.125	0.024	9.20	CGS593U040W3C3PH
74,000	2.500	3.625	0.020	10.70	CGS743U040W3L3PH
89,000	2.500	4.125	0.017	12.10	CGS893U040W4C3PH
100,000	2.500	4.625	0.016	13.30	CGS104U040W4L3PH
110,000	2.500	5.125	0.014	14.50	CGS114U040W5C3PH
130,000	2.500	5.625	0.013	15.70	CGS134U040W5L3PH
100,000	3.000	3.625	0.026	10.70	CGS104U040X3L3PH
130,000	3.000	4.125	0.022	12.10	CGS134U040X4C3PH
150,000	3.000	4.625	0.019	13.40	CGS154U040X4L3PH
170,000	3.000	5.125	0.017	14.70	CGS174U040X5C3PH
190,000	3.000	5.625	0.016	15.90	CGS194U040X5L3PH
200,000	3.000	5.875	0.016	16.40	CGS204U040X5R3PH
230,000	3.000	6.625	0.015	17.90	CGS234U040X6L3PH
240,000	3.000	7.625	0.014	18.40	CGS244U040X7L3PH
310,000	3.000	8.625	0.012	22.00	CGS314U040X8L3PH

# Type CGS

# Standard Ratings

CAP. (μF)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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CAP. (μF)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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## 50 WVDC; 65 VDC SURGE

6,800	1.375	2.125	0.045	4.00	CGS682U050R2C3PH
8,400	1.375	2.625	0.029	6.66	CGS842U050R2L3PH
10,000	1.375	3.125	0.024	7.79	CGS103U050R3C3PH
13,000	1.375	3.625	0.020	9.07	CGS133U050R3L3PH
16,000	1.375	4.125	0.022	7.50	CGS163U050R4C3PH
19,000	1.375	4.625	0.020	8.30	CGS193U050R4L3PH
21,000	1.375	5.125	0.018	9.10	CGS213U050R5C3PH
24,000	1.375	5.625	0.017	9.80	CGS243U050R5L3PH
12,000	1.750	2.125	0.067	3.80	CGS123U050U2C3PH
15,000	1.750	2.625	0.016	10.50	CGS153U050U2L3PH
20,000	1.750	3.125	0.044	5.50	CGS203U050U3C3PH
25,000	1.750	3.625	0.036	6.40	CGS253U050U3L3PH
30,000	1.750	4.125	0.031	7.30	CGS303U050U4C3PH
35,000	1.750	4.625	0.028	8.10	CGS353U050U4L3PH
40,000	1.750	5.125	0.025	8.90	CGS403U050U5C3PH
45,000	1.750	5.625	0.023	9.60	CGS453U050U5L3PH
16,000	2.000	2.125	0.083	3.80	CGS163U050V2C3PH
20,000	2.000	2.625	0.070	4.40	CGS203U050V2L3PH
27,000	2.000	3.125	0.054	5.40	CGS273U050V3C3PH
33,000	2.000	3.625	0.045	6.30	CGS333U050V3L3PH
40,000	2.000	4.125	0.038	7.10	CGS403U050V4C3PH
47,000	2.000	4.625	0.034	7.90	CGS473U050V4L3PH
54,000	2.000	5.125	0.030	8.70	CGS543U050V5C3PH
61,000	2.000	5.625	0.028	9.50	CGS613U050V5L3PH
45,000	2.500	3.125	0.025	9.20	CGS453U050W3C3PH
56,000	2.500	3.625	0.020	10.60	CGS563U050W3L3PH
67,000	2.500	4.125	0.018	12.00	CGS673U050W4C3PH
79,000	2.500	4.625	0.016	13.20	CGS793U050W4L3PH
90,000	2.500	5.125	0.014	14.50	CGS903U050W5C3PH
100,000	2.500	5.625	0.013	15.60	CGS104U050W5L3PH
83,000	3.000	3.625	0.026	10.50	CGS833U050X3L3PH
99,000	3.000	4.125	0.023	11.90	CGS993U050X4C3PH
100,000	3.000	4.625	0.020	13.10	CGS104U050X4L3PH
130,000	3.000	5.125	0.018	14.40	CGS134U050X5C3PH
140,000	3.000	5.625	0.010	15.60	CGS144U050X5L3PH
150,000	3.000	5.875	0.016	16.30	CGS154U050X5R3PH
170,000	3.000	6.625	0.015	17.60	CGS174U050X6L3PH
180,000	3.000	7.625	0.015	18.30	CGS184U050X7L3PH
240,000	3.000	8.625	0.012	21.70	CGS244U050X8L3PH

## 63 WVDC; 75 VDC SURGE

4,600	1.375	2.125	0.042	5.10	CGS462U063R2C3PH
6,800	1.375	2.625	0.030	6.47	CGS682U063R2L3PH
8,800	1.375	3.125	0.025	7.72	CGS882U063R3C3PH
10,000	1.375	3.625	0.022	8.75	CGS103U063R3L3PH
12,000	1.375	4.125	0.020	9.87	CGS123U063R4C3PH
14,000	1.375	4.625	0.017	11.00	CGS143U063R4L3PH
16,000	1.375	5.125	0.016	12.00	CGS163U063R5C3PH
18,000	1.375	5.625	0.015	13.00	CGS183U063R5L3PH
8,200	1.750	2.125	0.023	8.05	CGS822U063U2C3PH
12,000	1.750	2.625	0.017	10.20	CGS123U063U2L3PH
16,000	1.750	3.125	0.014	12.10	CGS163U063U3C3PH
19,000	1.750	3.625	0.012	13.80	CGS193U063U3L3PH
23,000	1.750	4.125	0.010	15.50	CGS233U063U4C3PH
26,000	1.750	4.625	0.009	17.00	CGS263U063U4L3PH
30,000	1.750	5.125	0.009	18.60	CGS303U063U5C3PH
33,000	1.750	5.625	0.009	20.00	CGS333U063U5L3PH
10,000	2.000	2.125	0.086	3.70	CGS103U063V2C3PH
13,000	2.000	2.625	0.072	4.30	CGS133U063V2L3PH
17,000	2.000	3.125	0.056	5.30	CGS173U063V3C3PH
22,000	2.000	3.625	0.012	15.00	CGS223U063V3L3PH
26,000	2.000	4.125	0.010	16.90	CGS263U063V4C3PH
30,000	2.000	4.625	0.009	18.70	CGS303U063V4L3PH
35,000	2.000	5.125	0.009	20.20	CGS353U063V5C3PH
39,000	2.000	5.625	0.008	21.90	CGS393U063V5L3PH
30,000	2.500	3.125	0.010	17.90	CGS303U063W3C3PH
37,000	2.500	3.625	0.008	20.50	CGS373U063W3L3PH
45,000	2.500	4.125	0.007	22.80	CGS453U063W4C3PH
53,000	2.500	4.625	0.007	25.10	CGS533U063W4L3PH
60,000	2.500	5.125	0.006	27.40	CGS603U063W5C3PH
68,000	2.500	5.625	0.006	29.20	CGS683U063W5L3PH
55,000	3.000	3.625	0.006	26.30	CGS553U063X3L3PH
66,000	3.000	4.125	0.006	28.90	CGS663U063X4C3PH
78,000	3.000	4.625	0.005	31.60	CGS783U063X4L3PH
89,000	3.000	5.125	0.005	33.90	CGS893U063X5C3PH
100,000	3.000	5.625	0.004	36.70	CGS104U063X5L3PH
110,000	3.000	5.875	0.004	38.50	CGS114U063X5R3PH
130,000	3.000	6.625	0.004	40.60	CGS134U063X6L3PH
160,000	3.000	7.625	0.004	42.40	CGS164U063X7L3PH
160,000	3.000	8.625	0.003	48.20	CGS164U063X8L3PH



# Type CGS

# Standard Ratings

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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## 75 WVDC; 95 VDC SURGE

3,900	1.375	2.125	0.049	3.90	CGS392U075R2C3PH
5,000	1.375	2.625	0.045	5.40	CGS502U075R2L3PH
6,400	1.375	3.125	0.036	6.45	CGS642U075R3C3PH
7,900	1.375	3.625	0.030	7.50	CGS792U075R3L3PH
9,400	1.375	4.125	0.023	7.30	CGS942U075R4C3PH
10,000	1.375	4.625	0.021	8.00	CGS103U075R4L3PH
12,000	1.375	5.125	0.019	8.80	CGS123U075R5C3PH
14,000	1.375	5.625	0.018	9.60	CGS143U075R5L3PH
7,100	1.750	2.125	0.069	3.80	CGS712U075U2C3PH
9,100	1.750	2.625	0.024	8.50	CGS912U075U2L3PH
11,000	1.750	3.125	0.020	9.92	CGS113U075U3C3PH
14,000	1.750	3.625	0.016	11.60	CGS143U075U3L3PH
17,000	1.750	4.125	0.014	13.20	CGS173U075U4C3PH
20,000	1.750	4.625	0.029	8.00	CGS203U075U4L3PH
23,000	1.750	5.125	0.026	8.70	CGS233U075U5C3PH
25,000	1.750	5.625	0.024	9.50	CGS253U075U5L3PH
9,700	2.000	2.125	0.086	3.70	CGS972U075V2C3PH
11,000	2.000	2.625	0.073	4.30	CGS113U075V2L3PH
15,000	2.000	3.125	0.056	5.30	CGS153U075V3C3PH
19,000	2.000	3.625	0.046	6.10	CGS193U075V3L3PH
23,000	2.000	4.125	0.040	7.00	CGS233U075V4C3PH
27,000	2.000	4.625	0.035	7.80	CGS273U075V4L3PH
31,000	2.000	5.125	0.031	8.60	CGS313U075V5C3PH
35,000	2.000	5.625	0.030	9.30	CGS353U075V5L3PH
22,000	2.500	3.125	0.012	15.90	CGS223U075W3C3PH
28,000	2.500	3.625	0.010	18.40	CGS283U075W3L3PH
33,000	2.500	4.125	0.009	20.70	CGS333U075W4C3PH
39,000	2.500	4.625	0.008	22.80	CGS393U075W4L3PH
44,000	2.500	5.125	0.007	24.90	CGS443U075W5C3PH
50,000	2.500	5.625	0.007	26.90	CGS503U075W5L3PH
41,000	3.000	3.625	0.010	20.50	CGS413U075X3L3PH
49,000	3.000	4.125	0.009	23.20	CGS493U075X4C3PH
57,000	3.000	4.625	0.008	25.50	CGS573U075X4L3PH
65,000	3.000	5.125	0.007	27.70	CGS653U075X5C3PH
74,000	3.000	5.625	0.007	30.00	CGS743U075X5L3PH
78,000	3.000	5.875	0.007	31.00	CGS783U075X5R3PH
88,000	3.000	6.625	0.006	33.50	CGS883U075X6L3PH
95,000	3.000	7.625	0.006	35.30	CGS953U075X7L3PH
120,000	3.000	8.625	0.005	41.50	CGS124U075X8L3PH

## 100 WVDC; 125 VDC SURGE

2,000	1.375	2.125	0.093	2.80	CGS202U100R2C3PH
2,400	1.375	2.625	0.078	3.30	CGS242U100R2L3PH
3,200	1.375	3.125	0.060	4.10	CGS322U100R3C3PH
4,000	1.375	3.625	0.049	4.80	CGS402U100R3L3PH
4,800	1.375	4.125	0.042	5.40	CGS482U100R4C3PH
5,600	1.375	4.625	0.037	6.10	CGS562U100R4L3PH
6,500	1.375	5.125	0.033	6.70	CGS652U100R5C3PH
7,300	1.375	5.625	0.030	7.30	CGS732U100R5L3PH
3,700	1.750	2.125	0.086	3.40	CGS372U100U2C3PH
4,600	1.750	2.625	0.030	7.62	CGS462U100U2L3PH
6,000	1.750	3.125	0.056	4.90	CGS602U100U3C3PH
7,500	1.750	3.625	0.046	5.70	CGS752U100U3L3PH
9,000	1.750	4.125	0.039	6.50	CGS902U100U4C3PH
10,000	1.750	4.625	0.035	7.20	CGS103U100U4L3PH
12,000	1.750	5.125	0.031	7.90	CGS123U100U5C3PH
13,000	1.750	5.625	0.029	8.60	CGS133U100U5L3PH
5,100	2.000	2.125	0.095	3.50	CGS512U100V2C3PH
6,100	2.000	2.625	0.080	4.10	CGS612U100V2L3PH
8,100	2.000	3.125	0.062	5.00	CGS812U100V3C3PH
10,000	2.000	3.625	0.051	5.90	CGS103U100V3L3PH
12,000	2.000	4.125	0.043	6.70	CGS123U100V4C3PH
14,000	2.000	4.625	0.038	7.50	CGS143U100V4L3PH
16,000	2.000	5.125	0.034	8.20	CGS163U100V5C3PH
18,000	2.000	5.625	0.031	8.90	CGS183U100V5L3PH
13,000	2.500	3.125	0.030	8.30	CGS133U100W3C3PH
17,000	2.500	3.625	0.025	9.70	CGS173U100W3L3PH
20,000	2.500	4.125	0.021	10.90	CGS203U100W4C3PH
23,000	2.500	4.625	0.019	12.10	CGS233U100W4L3PH
27,000	2.500	5.125	0.017	13.30	CGS273U100W5C3PH
30,000	2.500	5.625	0.016	14.40	CGS303U100W5L3PH
25,000	3.000	3.625	0.029	10.00	CGS253U100X3L3PH
30,000	3.000	4.125	0.025	11.30	CGS303U100X4C3PH
35,000	3.000	4.625	0.022	12.50	CGS353U100X4L3PH
40,000	3.000	5.125	0.020	13.70	CGS403U100X5C3PH
45,000	3.000	5.625	0.018	14.90	CGS453U100X5L3PH
47,000	3.000	5.875	0.018	15.30	CGS473U100X5R3PH
54,000	3.000	6.625	0.017	16.80	CGS543U100X6L3PH
58,000	3.000	7.625	0.016	17.70	CGS583U100X7L3PH
72,000	3.000	8.625	0.013	20.70	CGS723U100X8L3PH

# Type CGS

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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## 125 WVDC; 150 VDC SURGE

1,300	1.375	2.125	0.105	2.60	CGS132UI25R2C3PH
1,600	1.375	2.625	0.087	3.10	CGS162UI25R2L3PH
2,100	1.375	3.125	0.067	3.80	CGS212UI25R3C3PH
2,700	1.375	3.625	0.054	4.50	CGS272UI25R3L3PH
3,200	1.375	4.125	0.046	5.20	CGS322UI25R4C3PH
3,800	1.375	4.625	0.040	5.80	CGS382UI25R4L3PH
4,300	1.375	5.125	0.036	6.40	CGS432UI25R5C3PH
4,900	1.375	5.625	0.033	7.00	CGS492UI25R5L3PH
2,500	1.750	2.125	0.091	3.30	CGS252UI25U2C3PH
3,000	1.750	2.625	0.077	3.90	CGS302UI25U2L3PH
4,000	1.750	3.125	0.059	4.70	CGS402UI25U3C3PH
5,000	1.750	3.625	0.049	5.50	CGS502UI25U3L3PH
6,000	1.750	4.125	0.042	6.30	CGS602UI25U4C3PH
7,000	1.750	4.625	0.037	7.00	CGS702UI25U4L3PH
8,000	1.750	5.125	0.033	7.70	CGS802UI25U5C3PH
9,000	1.750	5.625	0.030	8.40	CGS902UI25U5L3PH
3,400	2.000	2.125	0.099	3.40	CGS342UI25V2C3PH
4,100	2.000	2.625	0.083	4.00	CGS412UI25V2L3PH
5,400	2.000	3.125	0.064	4.90	CGS542UI25V3C3PH
6,800	2.000	3.625	0.053	5.80	CGS682UI25V3L3PH
8,200	2.000	4.125	0.045	6.60	CGS822UI25V4C3PH
9,600	2.000	4.625	0.040	7.30	CGS962UI25V4L3PH
10,000	2.000	5.125	0.036	8.00	CGS103UI25V5C3PH
12,000	2.000	5.625	0.033	8.70	CGS123UI25V5L3PH
9,100	2.500	3.125	0.031	8.10	CGS912UI25W3C3PH
11,000	2.500	3.625	0.026	9.40	CGS113UI25W3L3PH
13,000	2.500	4.125	0.022	10.60	CGS133UI25W4C3PH
16,000	2.500	4.625	0.020	11.90	CGS163UI25W4L3PH
18,000	2.500	5.125	0.018	13.00	CGS183UI25W5C3PH
20,000	2.500	5.625	0.016	14.00	CGS203UI25W5L3PH
16,000	3.000	3.625	0.030	9.80	CGS163UI25X3L3PH
20,000	3.000	4.125	0.026	11.10	CGS203UI25X4C3PH
23,000	3.000	4.625	0.023	12.30	CGS233UI25X4L3PH
27,000	3.000	5.125	0.020	13.50	CGS273UI25X5C3PH
30,000	3.000	5.625	0.019	14.70	CGS303UI25X5L3PH
32,000	3.000	5.875	0.018	15.30	CGS323UI25X5R3PH
36,000	3.000	6.625	0.017	16.50	CGS363UI25X6L3PH
38,000	3.000	7.625	0.017	17.10	CGS383UI25X7L3PH
49,000	3.000	8.625	0.014	20.40	CGS493UI25X8L3PH

# Standard Ratings

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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## 150 WVDC; 200 VDC SURGE

760	1.375	2.125	0.111	2.60	CGS76UI50R2C3PH
1,000	1.375	2.625	0.099	3.62	CGS102UI-50R2L3PH
1,300	1.375	3.125	0.077	4.39	CGS132UI50R3C3PH
1,600	1.375	3.625	0.064	5.15	CGS162UI50R3L3PH
1,900	1.375	4.125	0.054	5.89	CGS192UI50R4C3PH
2,200	1.375	4.625	0.048	6.61	CGS222UI50R4L3PH
2,500	1.375	5.125	0.042	7.31	CGS252UI50R5C3PH
2,800	1.375	5.625	0.038	8.02	CGS282UI50R5L3PH
1,400	1.750	2.125	0.096	3.20	CGS142UI50U2C3PH
1,900	1.750	2.625	0.064	5.19	CGS192UI50U2L3PH
2,500	1.750	3.125	0.051	6.25	CGS252UI50U3C3PH
3,000	1.750	3.625	0.043	7.25	CGS302UI50U3L3PH
3,600	1.750	4.125	0.037	8.23	CGS362UI50U4C3PH
4,100	1.750	4.625	0.033	9.17	CGS412UI50U4L3PH
4,700	1.750	5.125	0.029	10.10	CGS472UI50U5C3PH
5,200	1.750	5.625	0.027	11.00	CGS522UI50U5L3PH
1,900	2.000	2.125	0.103	3.40	CGS192UI50V2C3PH
2,300	2.000	2.625	0.087	4.00	CGS232UI50V2L3PH
3,000	2.000	3.125	0.067	4.80	CGS302UI50V3C3PH
3,800	2.000	3.625	0.055	5.60	CGS382UI50V3L3PH
4,600	2.000	4.125	0.047	6.40	CGS462UI50V4C3PH
5,400	2.000	4.625	0.041	7.20	CGS542UI50V4L3PH
6,100	2.000	5.125	0.036	7.90	CGS612UI50V5C3PH
6,900	2.000	5.625	0.034	8.60	CGS692UI50V5L3PH
5,100	2.500	3.125	0.033	7.90	CGS512UI50W3C3PH
6,400	2.500	3.625	0.027	9.20	CGS642UI50W3L3PH
7,700	2.500	4.125	0.023	10.50	CGS772UI50W4C3PH
9,000	2.500	4.625	0.020	11.60	CGS902UI50W4L3PH
10,000	2.500	5.125	0.019	12.70	CGS103UI50W5C3PH
11,000	2.500	5.625	0.017	13.70	CGS113UI50W5L3PH
9,500	3.000	3.625	0.031	9.70	CGS952UI50X3L3PH
11,000	3.000	4.125	0.027	10.90	CGS113UI50X4C3PH
13,000	3.000	4.625	0.023	12.20	CGS133UI50X4L3PH
15,000	3.000	5.125	0.021	13.30	CGS153UI50X5C3PH
17,000	3.000	5.625	0.019	14.50	CGS173UI50X5L3PH
18,000	3.000	5.875	0.019	15.10	CGS183UI50X5R3PH
20,000	3.000	6.625	0.018	16.10	CGS203UI50X6L3PH
22,000	3.000	7.625	0.017	17.10	CGS223UI50X7L3PH
27,000	3.000	8.625	0.014	20.20	CGS273UI50X8L3PH

# Type CGS

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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## 200 WVDC; 250 VDC SURGE

610	1.375	2.125	0.1413	3.00	CGS611T200R2C3PH
890	1.375	2.625	0.0975	4.00	CGS891T200R2L3PH
1,100	1.375	3.125	0.0909	4.50	CGS112T200R3C3PH
1,300	1.375	3.625	0.0778	5.20	CGS132T200R3L3PH
1,600	1.375	4.125	0.0551	6.50	CGS162T200R4C3PH
1,900	1.375	4.625	0.0470	7.40	CGS192T200R4L3PH
2,100	1.375	5.125	0.0506	7.50	CGS212T200R5C3PH
2,400	1.375	5.625	0.0379	9.10	CGS242T200R5L3PH
1,000	1.750	2.125	0.0939	4.30	CGS102T200U2C3PH
1,500	1.750	2.625	0.0638	5.60	CGS152T200U2L3PH
1,900	1.750	3.125	0.0504	6.80	CGS192T200U3C3PH
2,400	1.750	3.625	0.0411	8.10	CGS242T200U3L3PH
2,800	1.750	4.125	0.0354	9.20	CGS282T200U4C3PH
3,300	1.750	4.625	0.0306	10.50	CGS332T200U4L3PH
3,800	1.750	5.125	0.0271	11.70	CGS382T200U5C3PH
4,200	1.750	5.625	0.0248	12.70	CGS422T200U5L3PH
1,500	2.000	2.125	0.0726	5.20	CGS152T200V2C3PH
2,200	2.000	2.625	0.0505	6.90	CGS222T200V2L3PH
2,800	2.000	3.125	0.0397	8.30	CGS282T200V3C3PH
3,400	2.000	3.625	0.0336	9.70	CGS342T200V3L3PH
4,000	2.000	4.125	0.0287	11.00	CGS402T200V4C3PH
4,700	2.000	4.625	0.0250	12.50	CGS472T200V4L3PH
5,400	2.000	5.125	0.0223	13.80	CGS542T200V5C3PH
6,000	2.000	5.625	0.0203	15.10	CGS602T200V5L3PH
4,800	2.500	3.125	0.0341	10.20	CGS482T200W3C3PH
5,600	2.500	3.625	0.0294	11.70	CGS562T200W3L3PH
6,900	2.500	4.125	0.0250	13.4	CGS692T200W4C3PH
8,000	2.500	4.625	0.0219	15.10	CGS802T200W4L3PH
9,100	2.500	5.125	0.0197	16.60	CGS912T200W5C3PH
10,000	2.500	5.625	0.0179	18.20	CGS103T200W5L3PH
8,800	3.000	3.625	0.0317	12.50	CGS882T200X3L3PH
10,000	3.000	4.125	0.0265	14.50	CGS103T200X4C3PH
12,000	3.000	4.625	0.0234	16.20	CGS123T200X4L3PH
14,000	3.000	5.125	0.0211	17.80	CGS143T200X5C3PH
16,000	3.000	5.625	0.0193	19.40	CGS163T200X5L3PH
17,000	3.000	5.875	0.0186	20.10	CGS173T200X5R3PH
19,000	3.000	6.625	0.0169	22.20	CGS193T200X6L3PH
22,000	3.000	7.625	0.0095	31.60	CGS223T200X7L3PH
25,000	3.000	8.625	0.0088	34.80	CGS253T200X8L3PH

# Standard Ratings

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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## 250 WVDC; 300 VDC SURGE

460	1.375	2.125	0.1903	2.60	CGS461T250R2C3PH
670	1.375	2.625	0.1320	3.40	CGS671T250R2L3PH
870	1.375	3.125	0.1024	4.20	CGS871T250R3C3PH
1,000	1.375	3.625	0.0892	4.80	CGS102T250R3L3PH
1,200	1.375	4.125	0.0752	5.60	CGS122T250R4C3PH
1,400	1.375	4.625	0.0653	6.30	CGS142T250R4L3PH
1,600	1.375	5.125	0.0580	7.00	CGS162T250R5C3PH
1,800	1.375	5.625	0.0524	7.70	CGS182T250R5L3PH
810	1.750	2.125	0.1046	4.00	CGS811T250U2C3PH
1,100	1.750	2.625	0.0765	5.20	CGS112T250U2L3PH
1,500	1.750	3.125	0.0572	6.40	CGS152T250U3C3PH
1,800	1.750	3.625	0.0483	7.50	CGS182T250U3L3PH
2,100	1.750	4.125	0.0415	8.50	CGS212T250U4C3PH
2,500	1.750	4.625	0.0355	9.7	CGS252T250U4L3PH
2,800	1.750	5.125	0.0320	10.70	CGS282T250U5C3PH
3,200	1.750	5.625	0.0285	11.90	CGS322T250U5L3PH
1,100	2.000	2.125	0.0847	4.90	CGS112T250V2C3PH
1,600	2.000	2.625	0.0590	6.30	CGS162T250V2L3PH
2,100	2.000	3.125	0.0456	7.80	CGS212T250V3C3PH
2,500	2.000	3.625	0.0388	9.00	CGS252T250V3L3PH
3,000	2.000	4.125	0.0328	10.30	CGS302T250V4C3PH
3,500	2.000	4.625	0.0286	11.70	CGS352T250V4L3PH
4,000	2.000	5.125	0.0255	12.90	CGS402T250V5C3PH
4,500	2.000	5.625	0.0231	14.20	CGS452T250V5L3PH
3,600	2.500	3.125	0.0371	9.80	CGS362T250W3C3PH
4,300	2.500	3.625	0.0319	11.20	CGS432T250W3L3PH
5,100	2.500	4.125	0.0271	12.90	CGS512T250W4C3PH
6,000	2.500	4.625	0.0237	14.50	CGS602T250W4L3PH
6,800	2.500	5.125	0.0212	16.00	CGS682T250W5C3PH
7,700	2.500	5.625	0.0193	17.50	CGS772T250W5L3PH
6,600	3.000	3.625	0.0328	12.30	CGS662T250X3L3PH
8,000	3.000	4.125	0.0279	14.10	CGS802T250X4C3PH
9,300	3.000	4.625	0.0244	15.80	CGS932T250X4L3PH
10,000	3.000	5.125	0.0216	17.60	CGS103T250X5C3PH
12,000	3.000	5.625	0.0199	19.10	CGS123T250X5L3PH
12,000	3.000	5.875	0.0189	20.00	CGS123T250X5R3PH
14,000	3.000	6.625	0.0173	22.00	CGS143T250X6L3PH
16,000	3.000	7.625	0.0102	30.60	CGS163T250X7L3PH
19,000	3.000	8.625	0.0093	33.80	CGS193T250X8L3PH

# Type CGS

# Standard Ratings

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 300 WVDC; 350 VDC SURGE

340	1.375	2.125	0.2778	2.20	CGS341T300R2C3PH
490	1.375	2.625	0.1938	2.80	CGS491T300R2L3PH
640	1.375	3.125	0.1493	3.50	CGS641T300R3C3PH
750	1.375	3.625	0.1281	4.00	CGS751T300R3L3PH
900	1.375	4.125	0.1076	4.70	CGS901T300R4C3PH
1,000	1.375	4.625	0.0968	5.20	CGS102T300R4L3PH
1,200	1.375	5.125	0.0823	5.90	CGS122T300R5C3PH
1,300	1.375	5.625	0.0762	6.40	CGS132T300R5L3PH
590	1.750	2.125	0.1570	3.30	CGS591T300U2C3PH
850	1.750	2.625	0.1095	4.30	CGS851T300U2L3PH
1,100	1.750	3.125	0.0850	5.30	CGS112T300U3C3PH
1,300	1.750	3.625	0.0724	6.10	CGS132T300U3L3PH
1,500	1.750	4.125	0.0628	6.90	CGS152T300U4C3PH
1,800	1.750	4.625	0.0530	8.00	CGS182T300U4L3PH
2,100	1.750	5.125	0.0460	9.00	CGS212T300U5C3PH
2,300	1.750	5.625	0.0423	9.80	CGS232T300U5L3PH
840	2.000	2.125	0.1173	4.10	CGS841T300V2C3PH
1,200	2.000	2.625	0.0825	5.40	CGS122T300V2L3PH
1,500	2.000	3.125	0.0659	6.50	CGS152T300V3C3PH
1,800	2.000	3.625	0.0555	7.50	CGS182T300V3L3PH
2,200	2.000	4.125	0.0461	8.70	CGS222T300V4C3PH
2,600	2.000	4.625	0.0396	9.90	CGS262T300V4L3PH
2,900	2.000	5.125	0.0357	10.90	CGS292T300V5C3PH
3,300	2.000	5.625	0.0319	12.10	CGS332T300V5L3PH
2,700	2.500	3.125	0.0456	8.80	CGS272T300W3C3PH
3,100	2.500	3.625	0.0396	10.10	CGS312T300W3L3PH
3,800	2.500	4.125	0.0332	11.70	CGS382T300W4C3PH
4,400	2.500	4.625	0.0290	13.10	CGS442T300W4L3PH
5,100	2.500	5.125	0.0257	14.60	CGS512T300W5C3PH
5,700	2.500	5.625	0.0234	15.90	CGS572T300W5L3PH
4,900	3.000	3.625	0.0351	11.90	CGS492T300X3L3PH
5,900	3.000	4.125	0.0298	13.70	CGS592T300X4C3PH
6,800	3.000	4.625	0.0260	15.30	CGS682T300X4L3PH
7,800	3.000	5.125	0.0233	16.90	CGS782T300X5C3PH
8,800	3.000	5.625	0.0211	18.50	CGS882T300X5L3PH
9,200	3.000	5.875	0.0203	19.30	CGS922T300X5R3PH
10,000	3.000	6.625	0.0186	21.30	CGS103T300X6L3PH
12,000	3.000	7.625	0.0165	24.00	CGS123T300X7L3PH
14,000	3.000	8.625	0.0110	31.10	CGS143T300X8L3PH

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 350 WVDC; 400 VDC SURGE

290	1.375	2.125	0.5555	1.70	CGS291T350R2C3PH
420	1.375	2.625	0.3851	2.30	CGS421T350R2L3PH
550	1.375	3.125	0.2954	2.80	CGS551T350R3C3PH
650	1.375	3.625	0.2508	3.30	CGS651T350R3L3PH
780	1.375	4.125	0.2102	3.80	CGS781T350R4C3PH
910	1.375	4.625	0.1813	4.30	CGS911T350R4L3PH
1,000	1.375	5.125	0.1654	4.70	CGS102T350R5C3PH
1,100	1.375	5.625	0.1509	5.20	CGS112T350R5L3PH
510	1.750	2.125	0.3123	2.70	CGS511T350U2C3PH
740	1.750	2.625	0.2161	3.50	CGS741T350U2L3PH
970	1.750	3.125	0.1656	4.30	CGS971T350U3C3PH
1,100	1.750	3.625	0.1461	4.90	CGS112T350U3L3PH
1,300	1.750	4.125	0.1240	5.60	CGS132T350U4C3PH
1,600	1.750	4.625	0.1018	6.50	CGS162T350U4L3PH
1,800	1.750	5.125	0.0909	7.20	CGS182T350U5C3PH
2,000	1.750	5.625	0.0823	7.90	CGS202T350U5L3PH
730	2.000	2.125	0.2274	3.40	CGS731T350V2C3PH
1,000	2.000	2.625	0.1655	4.30	CGS102T350V2L3PH
1,300	2.000	3.125	0.1279	5.30	CGS132T350V3C3PH
1,600	2.000	3.625	0.1051	6.20	CGS162T350V3L3PH
1,900	2.000	4.125	0.0890	7.10	CGS192T350V4C3PH
2,200	2.000	4.625	0.0774	8.10	CGS222T350V4L3PH
2,500	2.000	5.125	0.0686	9.00	CGS252T350V5C3PH
2,900	2.000	5.625	0.0600	10.00	CGS292T350V5L3PH
2,300	2.500	3.125	0.0835	7.40	CGS232T350W3C3PH
2,700	2.500	3.625	0.0716	8.50	CGS272T350W3L3PH
3,200	2.500	4.125	0.0608	9.80	CGS322T350W4C3PH
3,800	2.500	4.625	0.0522	11.10	CGS382T350W4L3PH
4,300	2.500	5.125	0.0465	12.30	CGS432T350W5C3PH
4,800	2.500	5.625	0.0421	13.50	CGS482T350W5L3PH
4,200	3.000	3.625	0.0585	10.50	CGS422T350X3L3PH
5,000	3.000	4.125	0.0496	12.00	CGS502T350X4C3PH
5,900	3.000	4.625	0.0430	13.50	CGS592T350X4L3PH
6,800	3.000	5.125	0.0382	15.00	CGS682T350X5C3PH
7,600	3.000	5.625	0.0346	16.40	CGS762T350X5L3PH
8,100	3.000	5.875	0.0330	17.20	CGS812T350X5R3PH
9,100	3.000	6.625	0.0300	19.00	CGS912T350X6L3PH
10,000	3.000	7.625	0.0269	21.40	CGS103T350X7L3PH
12,000	3.000	8.625	0.0241	23.90	CGS123T350X8L3PH

# Type CGS

# Standard Ratings

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 400 WVDC; 450 VDC SURGE

230	1.375	2.125	0.5921	1.70	CGS231T400R2C3PH
330	1.375	2.625	0.4142	2.20	CGS331T400R2L3PH
440	1.375	3.125	0.3123	2.70	CGS441T400R3C3PH
520	1.375	3.625	0.2653	3.20	CGS521T400R3L3PH
620	1.375	4.125	0.2235	3.70	CGS621T400R4C3PH
720	1.375	4.625	0.1934	4.20	CGS721T400R4L3PH
820	1.375	5.125	0.1708	4.60	CGS821T400R5C3PH
930	1.375	5.625	0.1519	5.10	CGS931T400R5L3PH
410	1.750	2.125	0.3294	2.60	CGS411T400U2C3PH
590	1.750	2.625	0.2297	3.40	CGS591T400U2L3PH
780	1.750	3.125	0.1745	4.20	CGS781T400U3C3PH
910	1.750	3.625	0.1500	4.80	CGS911T400U3L3PH
1,100	1.750	4.125	0.1247	5.60	CGS112T400U4C3PH
1,200	1.750	4.625	0.1144	6.20	CGS122T400U4L3PH
1,400	1.750	5.125	0.0987	6.90	CGS142T400U5C3PH
1,600	1.750	5.625	0.0871	7.70	CGS162T400U5L3PH
580	2.000	2.125	0.2407	3.30	CGS581T400V2C3PH
840	2.000	2.625	0.1671	4.30	CGS841T400V2L3PH
1,100	2.000	3.125	0.1283	5.30	CGS112T400V3C3PH
1,300	2.000	3.625	0.1091	6.10	CGS132T400V3L3PH
1,500	2.000	4.125	0.0947	6.90	CGS152T400V4C3PH
1,800	2.000	4.625	0.0798	7.90	CGS182T400V4L3PH
2,000	2.000	5.125	0.0721	8.70	CGS202T400V5C3PH
2,300	2.000	5.625	0.0635	9.70	CGS232T400V5L3PH
1,800	2.500	3.125	0.0873	7.30	CGS182T400W3C3PH
2,200	2.500	3.625	0.0729	8.40	CGS222T400W3L3PH
2,600	2.500	4.125	0.0620	9.7	CGS262T400W4C3PH
3,000	2.500	4.625	0.0542	10.90	CGS302T400W4L3PH
3,400	2.500	5.125	0.0483	12.10	CGS342T400W5C3PH
4,000	2.500	5.625	0.0423	13.50	CGS402T400W5L3PH
3,400	3.000	3.625	0.0583	10.50	CGS342T400X3L3PH
4,100	3.000	4.125	0.0492	12.10	CGS412T400X4C3PH
4,800	3.000	4.625	0.0428	13.60	CGS482T400X4L3PH
5,500	3.000	5.125	0.0380	15.10	CGS552T400X5C3PH
6,200	3.000	5.625	0.0344	16.50	CGS622T400X5L3PH
6,500	3.000	5.875	0.0329	17.20	CGS652T400X5R3PH
7,300	3.000	6.625	0.0299	19.0	CGS732T400X6L3PH
8,500	3.000	7.625	0.0265	21.60	CGS852T400X7L3PH
9,900	3.000	8.625	0.0239	24.00	CGS992T400X8L3PH

CAP. ( $\mu$ F)	CASE DIA. (IN.)	CASE LNG. (IN.)	Max ESR 120 Hz +25°C Ohms	Max Ripple 120 Hz +85°C AMPS	CATALOG NUMBER
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### 450 WVDC; 525 VDC SURGE

160	1.375	2.125	0.8601	1.40	CGS161T450R2C3PH
240	1.375	2.625	0.5762	1.90	CGS241T450R2L3PH
310	1.375	3.125	0.4475	2.30	CGS311T450R3C3PH
370	1.375	3.625	0.3759	2.70	CGS371T450R3L3PH
440	1.375	4.125	0.3169	3.10	CGS441T450R4C3PH
520	1.375	4.625	0.2698	3.50	CGS521T450R4L3PH
600	1.375	5.125	0.2350	4.00	CGS601T450R5C3PH
670	1.375	5.625	0.2112	4.40	CGS671T450R5L3PH
290	1.750	2.125	0.4730	2.20	CGS291T450U2C3PH
430	1.750	2.625	0.3201	2.90	CGS431T450U2L3PH
560	1.750	3.125	0.2463	3.50	CGS561T450U3C3PH
660	1.750	3.625	0.2095	4.10	CGS661T450U3L3PH
790	1.750	4.125	0.1756	4.70	CGS791T450U4C3PH
920	1.750	4.625	0.1514	5.4	CGS921T450U4L3PH
1,000	1.750	5.125	0.1394	5.80	CGS102T450U5C3PH
1,100	1.750	5.625	0.1369	6.20	CGS112T450U5L3PH
420	2.000	2.125	0.3341	2.80	CGS421T450V2C3PH
610	2.000	2.625	0.2308	3.60	CGS611T450V2L3PH
800	2.000	3.125	0.1768	4.50	CGS801T450V3C3PH
940	2.000	3.625	0.1510	5.2	CGS941T450V3L3PH
1,100	2.000	4.125	0.1293	5.90	CGS112T450V4C3PH
1,300	2.000	4.625	0.1102	6.80	CGS132T450V4L3PH
1,500	2.000	5.125	0.0961	7.6	CGS152T450V5C3PH
1,700	2.000	5.625	0.0855	8.4	CGS172T450V5L3PH
1,300	2.500	3.125	0.1170	6.30	CGS132T450W3C3PH
1,600	2.500	3.625	0.0966	7.30	CGS162T450W3L3PH
1,900	2.500	4.125	0.0818	8.40	CGS192T450W4C3PH
2,200	2.500	4.625	0.0711	9.50	CGS222T450W4L3PH
2,500	2.500	5.125	0.0631	10.60	CGS252T450W5C3PH
2,900	2.500	5.625	0.0554	11.70	CGS292T450W5L3PH
2,500	3.000	3.625	0.0724	9.40	CGS252T450X3L3PH
3,000	3.000	4.125	0.0610	10.80	CGS302T450X4C3PH
3,500	3.000	4.625	0.0530	12.20	CGS352T450X4L3PH
4,000	3.000	5.125	0.0470	13.60	CGS402T450X5C3PH
4,500	3.000	5.625	0.0424	14.90	CGS452T450X5L3PH
4,700	3.000	5.875	0.0407	15.50	CGS472T450X5R3PH
5,400	3.000	6.625	0.0364	17.30	CGS542T450X6L3PH
6,200	3.000	7.625	0.0323	19.50	CGS622T450X7L3PH
7,200	3.000	8.625	0.0289	21.80	CGS722T450X8L3PH