Type CGO Ultra Low ESR Screw Terminal Aluminum Electrolytic

Extremely Low ESR, Low Voltage, Screw Terminal Capacitors

		Type CGO low voltage, low ESR, screw terminal aluminum electrolytic capacitors have extremely low ESR and are suitable for output filtering in switch mode power supply applications.							
		Highlights							
Specifications -	No 1980 Car No 198	 Extremely low ESR Low voltage Screw Terminal 35 mm diameter RoHS Compliant 							
	Capacitance Range: Voltage Range: Capacitance Tolerance: Operating Temperature: Ripple Current Multipliers:	 2,800 to 45,000 μF 5 to 55 WVdc ±20% -40 to +85 °C The maximum ripple current at 85 °C and 20 kHz for CGO capacitors is shown in the standard Ratings Tables. Maximum ripple current may be adjusted by the multipliers in the tables below. 							
	Ambient Temperature / Ripple Multiplier								
		+35 °C	+45 °C	+55 °C	+65 °C	+75 °C	+85 °C		
		2.15	1.93	1.73	1.50	1.30	1.00		
		Rated		Frequency / Ripple Multiplier					
		Voltage	120 Hz	400 Hz	1000 Hz	2500 Hz	10 kHz		
		5 to 55	.84	.85	.86	.87	.95		
	DC Leakage Current:	C = C V = R	≤ 1.5 √CV after 5 minutes C = Capacitance in μF V = Rated Voltage I = Leakage current in μA						
	QA Stability Test:	Apply WVdc for 1000 h @ 85 °C Capacitance change ≤15% from initial limits DC leakage current meets initial limits ESR ≤175% of initial measured value							

Click here to see: Hardware & Mounting Options

<u>Click here to see: Mechanical Details</u>

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Ratings

				Max] [Max			
	Catalog	Typical ESR		Ripple					Catalog	Typical ESR		Ripple			
Сар	Part Number	120 Hz	20 kHz	20 kHz	Dia.	Length		Сар	Part Number	120 Hz	20 kHz	20 kHz	Dia.	Length	
(µF)		(Ω)	(Ω)	(A) RMS	(ln.)	(ln.)		(µF)		(Ω)	(Ω)	(A) RMS	(ln.)	(ln.)	
5 WVdc (6 Vdc Surge)							28 WVdc (32 Vdc Surge)								
18000	CGO183M005L	0.016	0.009	9.8	1.375	2.125		6300	CGO632M028L	0.021	0.012	8.3	1.375	2.125	
7.5 WVdc (9 Vdc Surge)							8800	CGO882M028L	0.017	0.010	9.9	1.375	2.625		
15000	CGO153M7R5L	.0158	0.010	9.4	1.375	2.125		8900	CGO892M028L	0.017	0.010	10.1	1.375	2.625	
21000	CGO213M7R5L	0.013	0.008	10.9	1.375	2.625		14000	CGO143M028L	0.012	0.008	13.1	1.375	3.625	
27000	CGO273M7R5L	0.011	0.007	12.7	1.375	3.125		35 WVdc (40 Vdc Surge)							
33000	CGO333M7R5L	0.009	0.006	14.2	1.375	3.625		4,500	CGO452M035L	0.024	0.012	8.2	1.375	2.125	
39000	CGO393M7R5L	0.009	0.006	15.5	1.375	4.125		6300	CGO632M035L	0.024	0.012	9.8	1.375	2.625	
45000	CGO453M7R5L	0.008	0.005	17.5	1.375	4.625									
	10 WVdc (12 Vdc Surge)							8100	CGO812M035L	0.015	0.009	11.5	1.375	3.125	
14000	CGO143M010L	0.018	0.010	9.3	1.375	2.125		10000	CGO103M035L	0.013	0.008	13.0	1.375	3.625	
19000	CGO193M010L	0.013	0.008	10.9	1.375	2.625		14000	CGO143M035L	0.010	0.006	16.1	1.375	4.625	
16 WVdc (18 Vdc Surge)						45 WVdc (50 Vdc Surge)									
10000	CGO103M016L	.0167	0.010	9.3	1.375	2.125		3800	CGO382M045L	0.032	0.018	8.1	1.375	2.125	
14000	CGO143M016L	0.008	0.006	10.9	1.375	2.625		4600	CGO462M045L	0.024	0.013	9.7	1.375	2.625	
18000	CGO183M016L	0.011	0.007	12.6	1.375	3.125		10000	CGO103M045L	0.022	0.013	15.6	1.375	4.625	
22000		0.010	0.006	14.2	1.375	3.625		55 WVdc (64 Vdc Surge)							
20 WVdc (22 Vdc Surge)							2800	CGO282M055L	.0302	0.015	7.5	1.375	2.125		
12000	CGO123M020L	.0142	0.009	10.8	1.375	2.625									
16000	CGO163M020L	0.012	0.007	12.6	1.375	3.125		3900	CGO392M055L	0.023	0.012	9.0	1.375	2.625	
20000	CGO203M020L	0.010	0.007	14.1	1.375	3.625		5000	CGO502M055L	0.019	0.010	10.6	1.375	3.125	
22000	CGO223M020L	0.009	0.006	15.4	1.375	4.125		10000	CGO103M055L	0.011	0.006	17.2	1.375	5.625	
27000	CGO273M020L	0.008	0.005	17.4	1.375	4.625									
34000	CGO343M020L	0.007	0.005	19.6	1.375	5.625									

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