Type CGO Ultra Low ESR Screw Terminal Aluminum Electrolytic

Extremely Low ESR, Low Voltage, Screw Terminal Capacitors

Specifications	Read a Fartor Reader Re	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 • Extremely low ESR • Low voltage • Screw Terminal • 35 mm diameter RoHS Compliant 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 Rat- ings Tables. Maximum ripple current may be adjust- ed by the multipliers in the tables below.								
specifications	Capacitance Range: Voltage Range: Capacitance Tolerance: Operating Temperature: Ripple Current Multipliers:									
							+85 %			
		2.15	1.93	1.73	1.50	1.30	1.00			
		Rated Voltage 5 to 55	120 Hz .84	Frequenc 400 Hz .85	y / Ripple 1000 Hz .86	Multiplier 2500 Hz .87	10 kHz .95			
	DC Leakage Current:	I ≤ 1.5 √CV after 5 minutes C = Capacitance in μF V = Rated Voltage I = Leakage current in μA								
	QA Stability Test:	Apply WV Capao DC lea ESR s	/dc for 1 citance c akage cı ≤175% o	000 h @ hange ≤ urrent me f initial n	00 h @ 85 °C ange ≤15% from initial limits rent meets initial limits initial measured value					

Click here to see: Hardware & Mounting Options

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

Type CGO Ultra Low ESR Screw Terminal Aluminum Electrolytic

Ratings

					Мах								Мах				
		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)								1	28 WVdc (32 Vdc Surge)								
	18000	CGO183M005L	0.016	0.009	9.8	1.375	2.125	1	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	CGO143M028I	0.012	0.008	13.1	1 375	3 625		
	27000	CGO273M7R5L	0.011	0.007	12.7	1.375	3.125		35 W//dc (40 //dc Surge)					1.070	0.020		
	33000	CGO333M7R5L	0.009	0.006	14.2	1.375	3.625		4 500	000450140051				4.075	0.405		
	39000	CGO393M7R5L	0.009	0.006	15.5	1.375	4.125		4,500	CGO452M035L	0.024	0.012	8.2	1.375	2.125		
	45000	CGO453M7R5L	0.008	0.005	17.5	1.375	4.625		6300	CGO632M035L	0.019	0.010	9.8	1.375	2.625		
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 CGO223M016L 0.010 0.006 14.2 1.375 3.625									55 W	/dc (64	Vdc Su	rae)				
20 WVdc (22 Vdc Surge)								2000		0202	0.015	7.5	1 075	0.405			
	12000	CGO123M020L	.0142	0.009	10.8	1.375	2.625		2800	CGO282IM055L	.0302	0.015	7.5	1.375	2.125		
	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										

Notice and Disclaimer: All product drawings, descriptions, specifications, statements, information and data (collectively, the "Information") in this datasheet or other publication are subject to change. The customer is responsible for checking, confirming and verifying the extent to which the Information contained in this datasheet or other publication is applicable to an order at the time the order is placed. All Information given herein is believed to be accurate and reliable, but it is presented without any guarantee, warranty, representation or responsibility of any kind, expressed or implied. Statements of suitability for certain applications are based on the knowledge that the Cornell Dubilier company providing such statements ("Cornell Dubilier") has of operating conditions that such Cornell Dubilier company regards as typical for such applications, but are not intended to constitute any guarantee, warranty or representation regarding any such matter – and Cornell Dubilier specifically and expressly disclaims any guarantee, warranty or representation concerning the suitability for a specific customer application, use, storage, transportation, or operating environment. The Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by Cornell Dubilier with reference to the use of any Cornell Dubilier products is given gratis (unless otherwise specified by Cornell Dubilier), and Cornell Dubilier assumes no obligation or liability for the advice given or results obtained. Although Cornell Dubilier strives to apply the most stringent quality and safety standards regarding the design and manufacturing of its products, in light of the current state of the art, isolated component failures may still occur. Accordingly, customer applications which require a high degree of reliability or safety should employ suitable designs or other safeguards (such as installation of protective circuitry or redundancies or other appropriate protective measures) in order to ensure that the failure of an electrical component does not result in a risk of personal injury or property damage. Although all product-related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicated in such warnings, cautions and notes, or that other safety measures may not be required.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cornell Dubilier: CGO183M005L