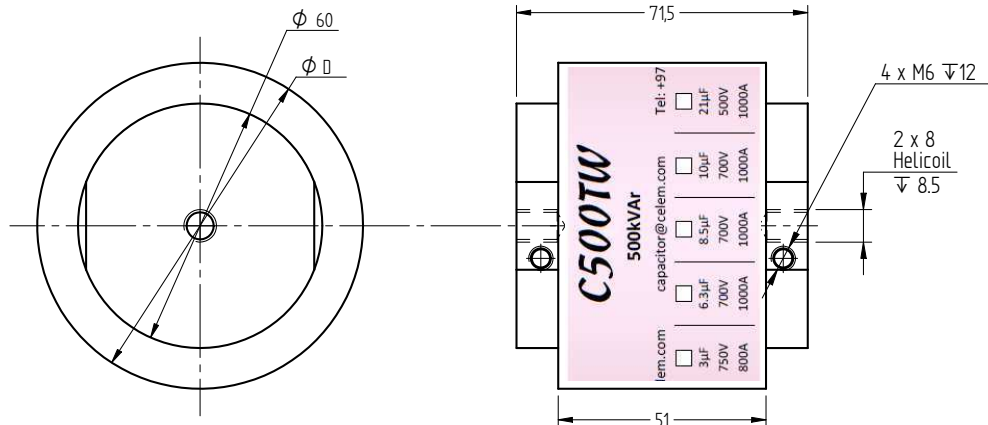


C 500 TW

Water-cooled capacitor

Technology Patented Worldwide



C500TW is a heavy-duty medium frequency water-cooled power capacitor, suited for the 10-70kHz frequency range. It provides all the benefits of the recently released C500T in addition to an integrated water-cooling system and the same large safety margins. The C500TW can replace the C500T and operate as a conduction-cooled capacitor.

C500TW is extremely compact, providing the best power to volume ratio in the industry, furthermore, being a water-cooled capacitor, it is an ideal building block for very high power, medium frequency applications. See the Assembly Systems section options for parallel and series assemblies.

Specifications

TYPE		C 500 TW													
Dimensions (D)	mm	Ø80		Ø101		Ø80		Ø88		Ø94		Ø80		Ø101	
Weight	kg	1.1		1.4		1.1		1.2		1.3		1.1		1.5	
Capacitance ($\pm 10\%$)	μ F	1.4	3	4	6.3	8.5	10	21	27	37					
Sinusoidal Voltage	V_{rms}	1100	750	900	700			500	550	500					
Peak Voltage	\hat{V}	1560	1060	1270	990			710	780	710					
Max. Current	A_{rms}	600	800	700	1000										
Max. Power	kVA _r	500													
Freq Range @ Full Power	kHz	47-82	47-68	25-39	26-51	19-37	16-32	15-15	10-12	9-9					
Stray Inductance	nH	< 10													

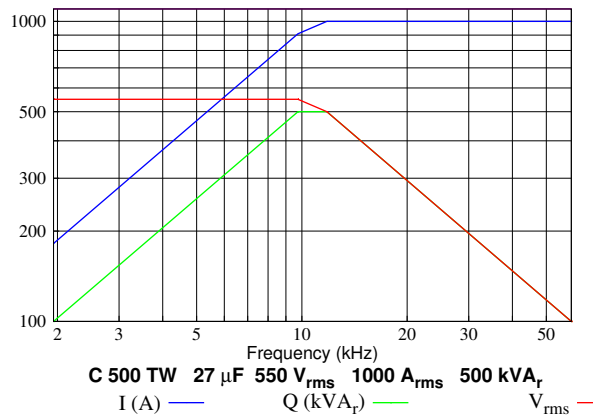
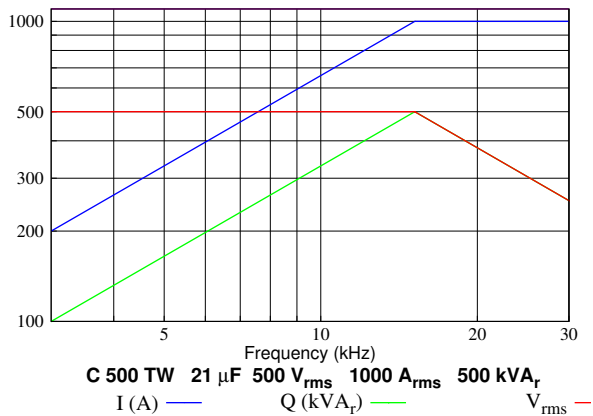
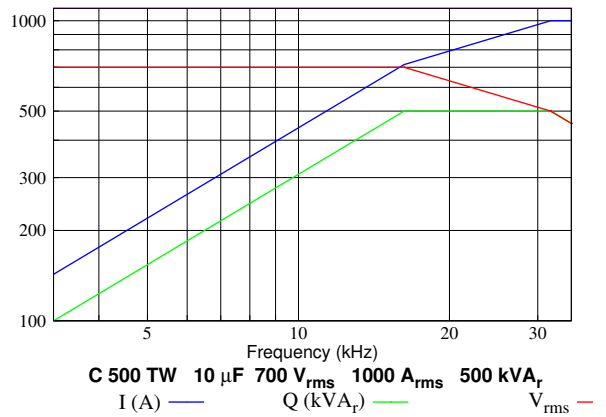
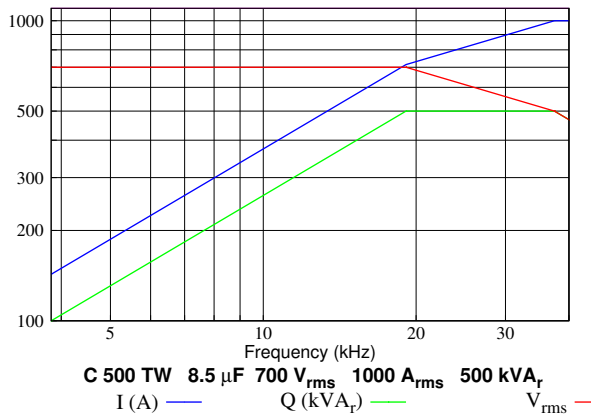
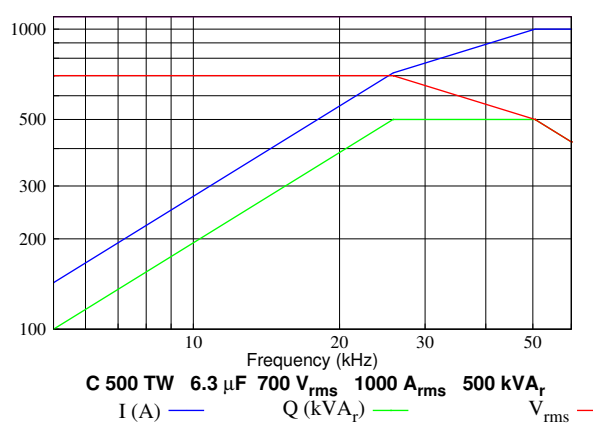
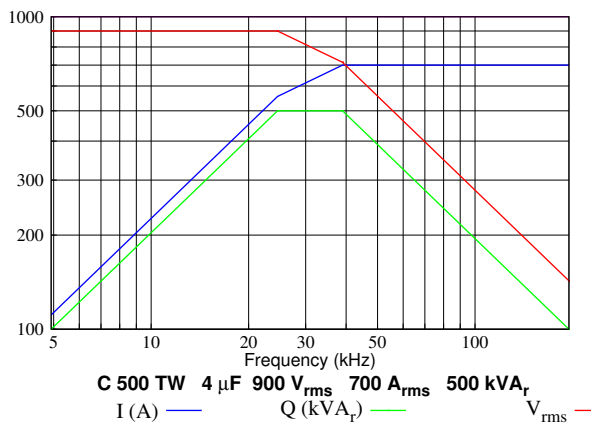
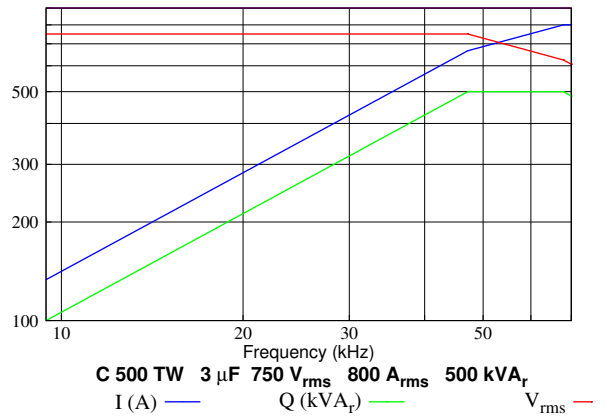
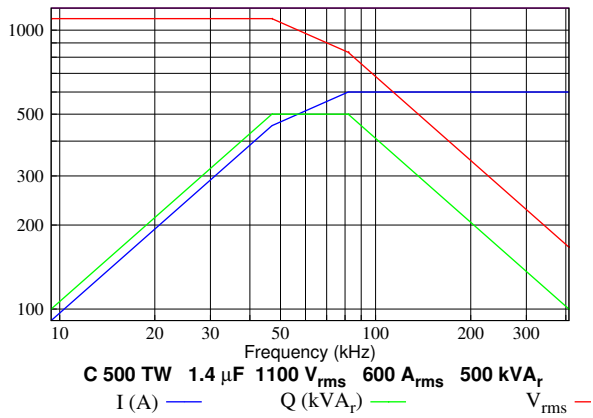
Celem Power Capacitors

Produced: April 19, 2012

C 500 TW

Water-cooled capacitor

Technology Patented Worldwide



Celem Power Capacitors

Produced: April 19, 2012

C 500 TW

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