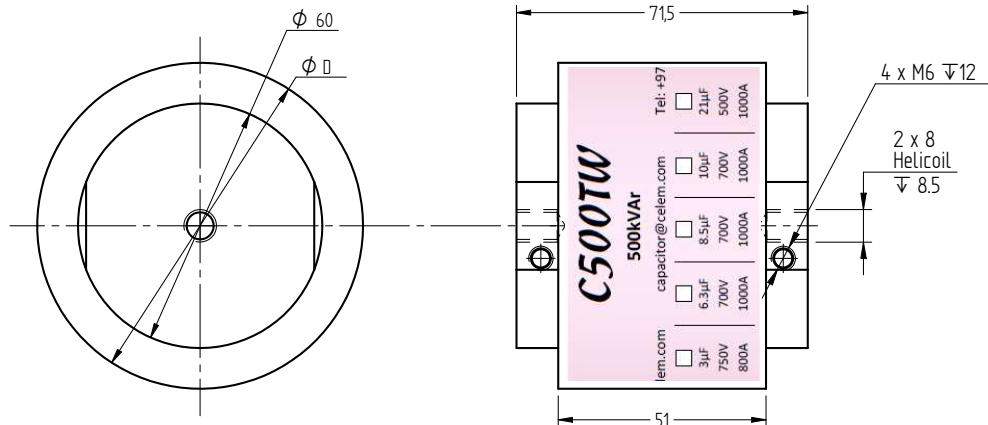


# C 500 TW

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									
		Ø80		Ø101		Ø80		Ø88		Ø94	
Dimensions ( D )	mm	Ø80		Ø101		Ø80		Ø88		Ø94	
Weight	kg	1.1		1.4		1.1		1.2		1.3	
Capacitance ( $\pm 10\%$ )	$\mu\text{F}$	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	$\text{kVA}_r$	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									

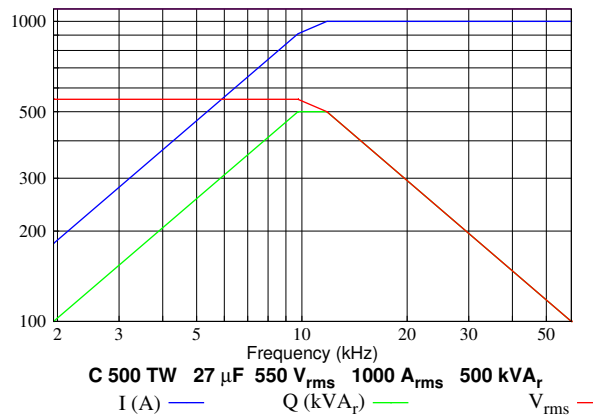
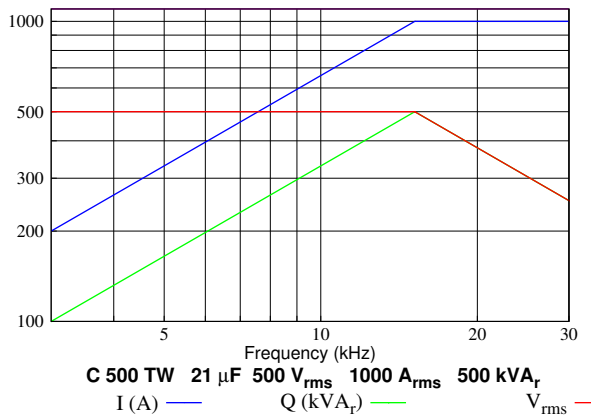
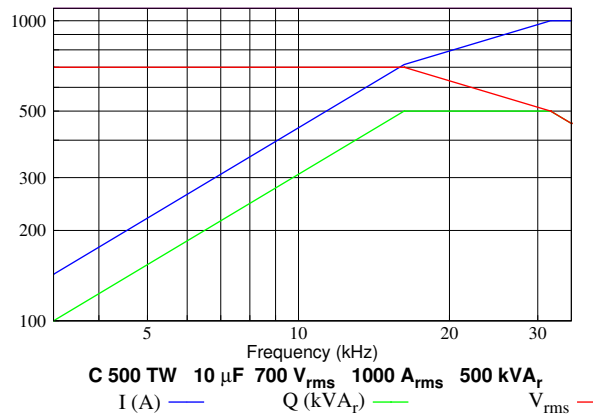
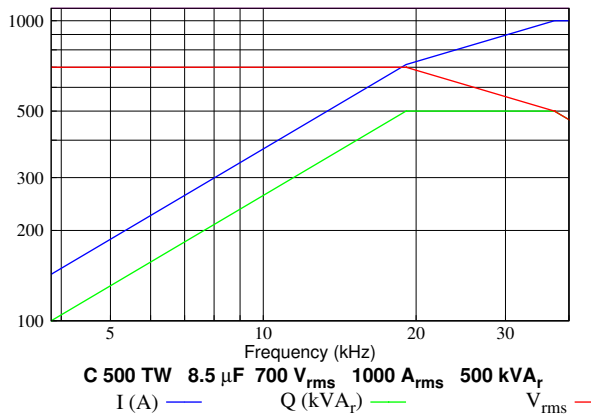
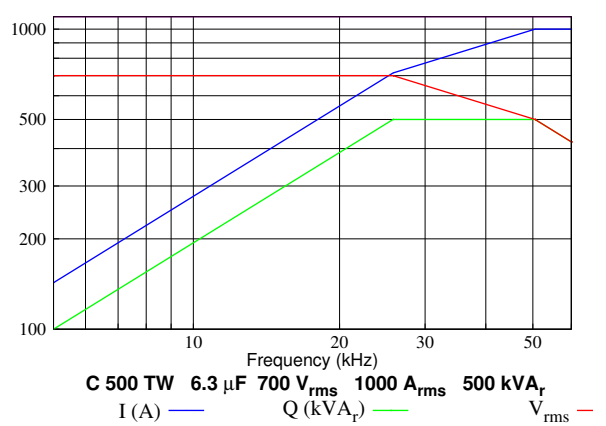
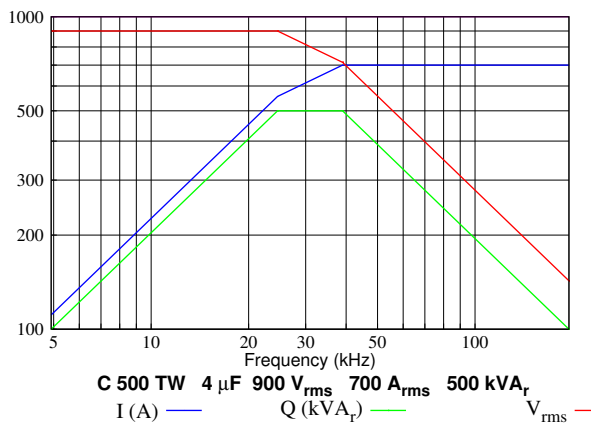
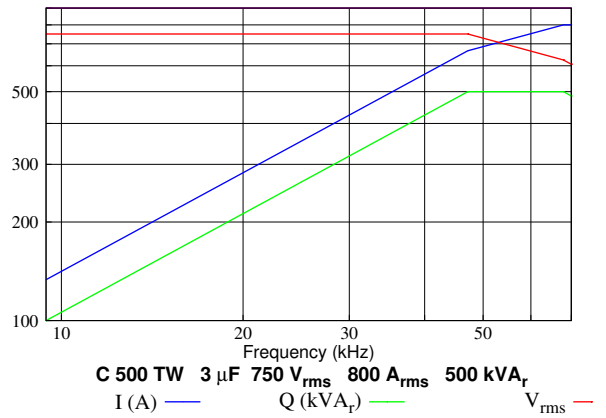
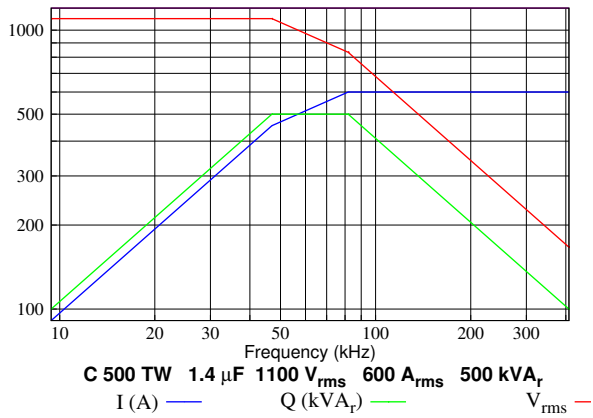
Celem Power Capacitors

Produced: April 19, 2012

# C 500 TW

Water-cooled capacitor

Technology Patented Worldwide



Celem Power Capacitors

Produced: April 19, 2012

# C 500 TW

Water-cooled capacitor

Technology Patented Worldwide

