

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 C500T in addition to an integrated water-cooling system and the same large safety margins. The C500TW can replace the C500T and operates as a conduction-cooled capacitor. C500TW is extremely compact, providing the best power to volume ratio in the industry. Being a water-cooled capacitor, it is an ideal building block for very high power, medium frequency applications. Please check in the Assembly Systems section options for parallel and series assemblies.

The 4 water connecting tubes should be ordered separately.

## Specifications

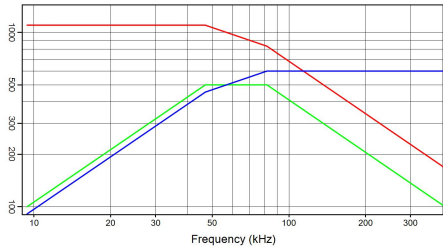
Type	C500TW									
Dimensions (L x W x H)	mm	80	101	80	88	94	80	101		
Weight	kg	1.1	1.4	1.1	1.2	1.3	1.1	1.5		
Capacitance ( $\pm 10\%$ )	$\mu\text{F}$	1.4 $\mu\text{F}$	3 $\mu\text{F}$	4 $\mu\text{F}$	6.3 $\mu\text{F}$	8.5 $\mu\text{F}$	10 $\mu\text{F}$	21 $\mu\text{F}$	27 $\mu\text{F}$	37 $\mu\text{F}$
Sinusoidal Voltage	V <sub>rms</sub>	1100	750	900	700			500	550	500
Peak_Voltage	V	1560	1060	1270	990			710	780	710
Max. Current	A <sub>rms</sub>	600	800	700	1000					
Max. Power	kVA <sub>r</sub>	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								

# C500TW

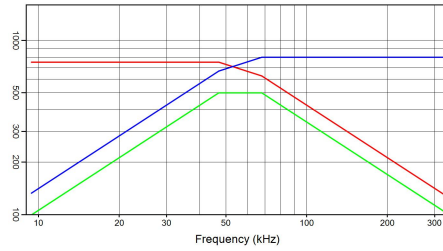
Water-cooled capacitor



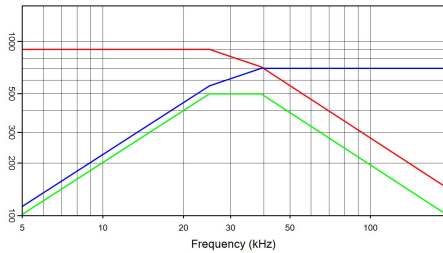
Technology Patented Worldwide



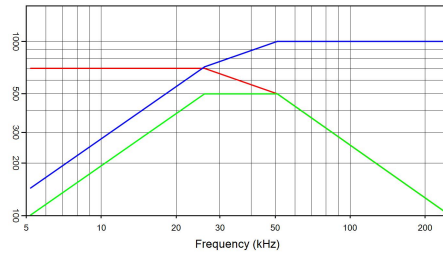
**C500TW 1.4  $\mu\text{F}$  1100  $V_{rms}$  600  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$



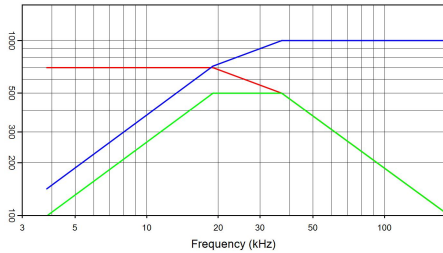
**C500TW 3  $\mu\text{F}$  750  $V_{rms}$  800  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$



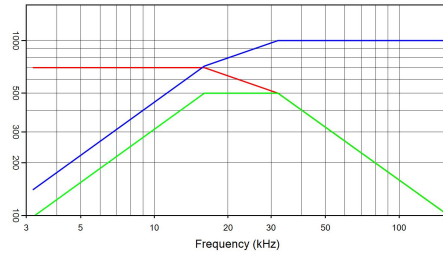
**C500TW 4  $\mu\text{F}$  900  $V_{rms}$  700  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$



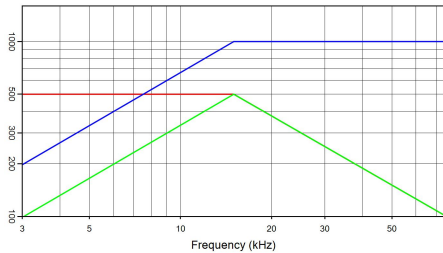
**C500TW 6.3  $\mu\text{F}$  700  $V_{rms}$  1000  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$



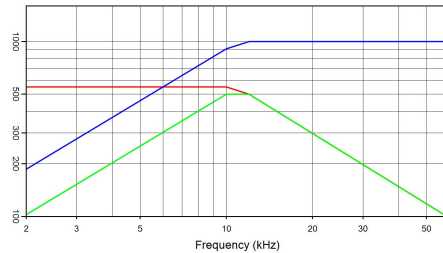
**C500TW 8.5  $\mu\text{F}$  700  $V_{rms}$  1000  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$



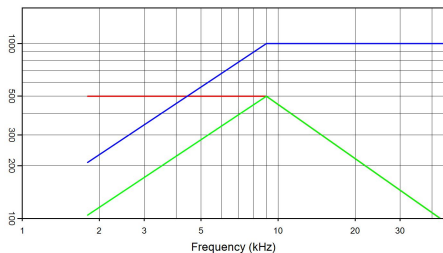
**C500TW 10  $\mu\text{F}$  700  $V_{rms}$  1000  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$



**C500TW 21  $\mu\text{F}$  500  $V_{rms}$  1000  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$



**C500TW 27  $\mu\text{F}$  550  $V_{rms}$  1000  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$



**C500TW 37  $\mu\text{F}$  500  $V_{rms}$  1000  $A_{rms}$  500  $kVA_r$**   
 I(A) — Q( $kVA_r$ ) —  $V_{rms}$

**Celem Power Capacitors**

Produced: 14-09-2017