HC1
High Power Resonant Capacitors



FEATURES	High AC Voltage - High current

APPLICATIONS	Induction Heating - Tank Circuits

KVAR	**150**
CAPACITANCE TOLERANCE	**+/-10%**
MAXIMUM CORE TEMPERATURE	**+85°C**
SURFACE TEMPERATURE	**+45ºC (Above 45ºC the KVAR rating must be de-rated by 2.25%/ºC)**
CONSTRUCTION	**Self-healing**
SELF INDUCTANCE	**< 3 nH**
DIELECTRIC	**Polypropylene**
FLAME RETARDANT	**UL94V0**

Standard part listing

Capacitance (µF)	VAC	IC part number	Maximum RMS current (A)	MAX power kvar	Frequency range (kHz)	ESR (mΩ) 100kHz, +25°C	Dimensions (mm)			Terminal Style
							B	H	L	
0.05	1000	503HC1102K2CM6	200	150	478-700	1.5	30.2	30	68	2CM6
		503HC1102K2SM6								2SM6
0.1	1000	104HC1102K2CM6	250	150	238-423	1.5	30.2	30	68	2CM6
		104HC1102K2SM6								2SM6
0.17	700	174HC1700K2CM6	250	150	286-389	1.2	30.2	30	68	2CM6
		174HC1700K2SM6								2SM6
0.25	700	254HC1700K2CM6	250	150	195-265	1.2	30.2	30	68	2CM6
		254HC1700K2SM6								2SM6
0.33	700	334HC1700K2CM6	250	150	148-200	1	30.2	30	68	2CM6
		334HC1700K2SM6								2SM6
0.5	700	504HC1700K2CM6	250	150	93-132	1	30.2	30	68	2CM6
		504HC1700K2SM6								2SM6
0.66	600	664HC1600K2CM6	300	150	100-145	0.8	30.2	30	68	2CM6
		664HC1600K2SM6								2SM6
1.2	500	125HC1500K2CM6	300	150	79-80	0.6	30.2	30	68	2CM6
		125HC1500K2SM6								2SM6
1.33	500	135HC1500K2CM6	300	150	72	0.6	30.2	30	68	2CM6
		135HC1500K2SM6								2SM6
2.4	400	245HC1400K2CM6	400	150	63-72	0.6	30.2	30	68	2CM6
		245HC1400K2SM6								2SM6

Americas / EU
Phone: 1-508-996-8561
Email: cdena@cde.com

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ENERGIZING IDEAS
ILLINOIS CAPACITOR

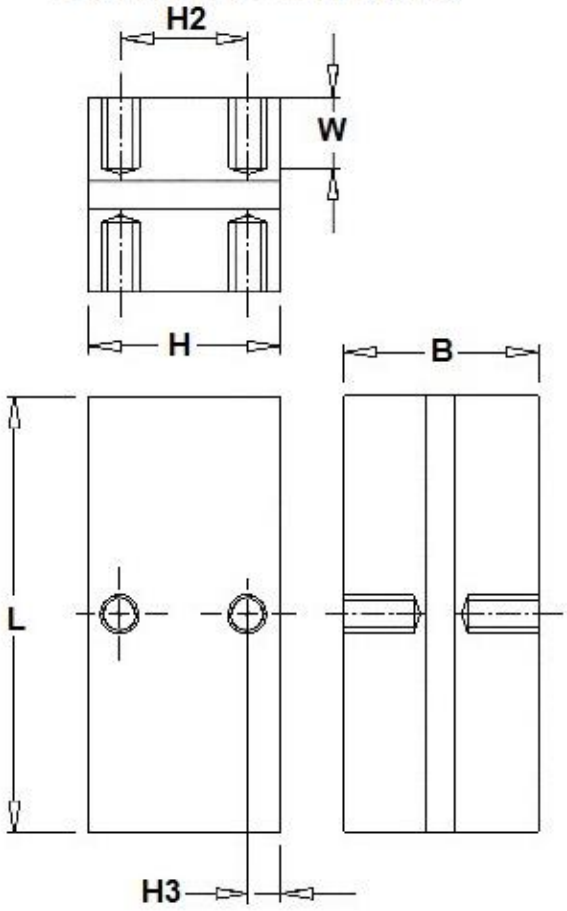
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Phone: 852-2793-0931
Email: cdeasia@cde.com

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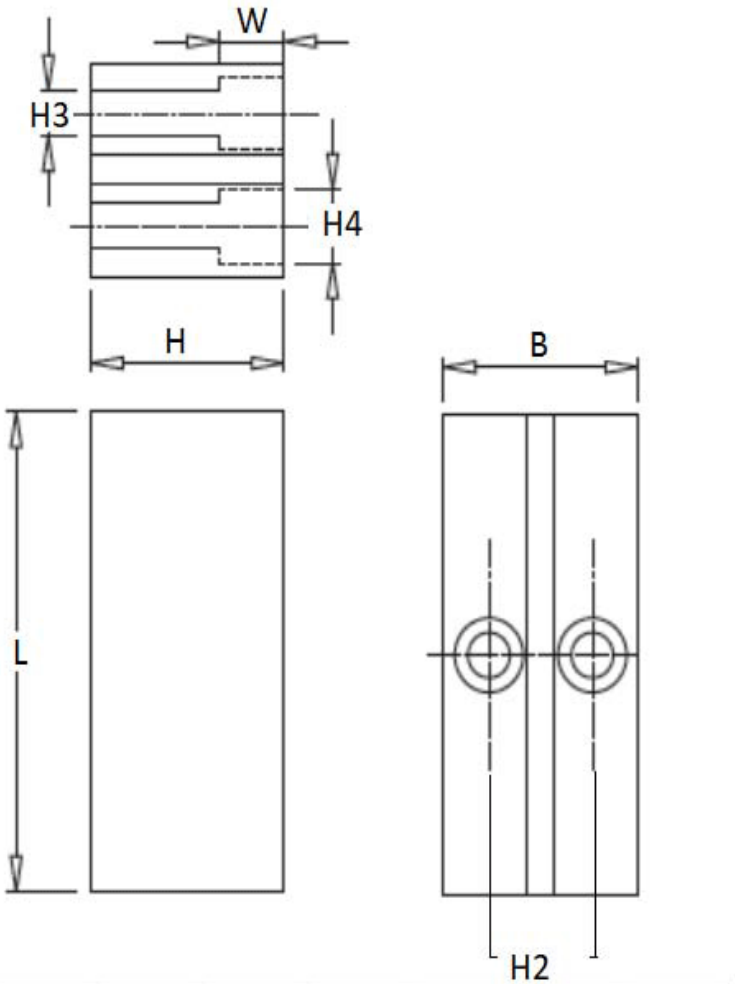


TERMINAL STYLE: 2CM6



L	H	B	H2	H3	W
68±0.5	30±0.5	30.2±0.1	20	5	10
Mounting Holes: M6x1 Tap fitted with SS helicoil					
Tightening torque: 15Nm MAX					

TERMINAL STYLE: 2SM6



L	H	B	H2	H3	H4	W
68±0.5	30±0.5	30.2±0.1	16	6.5	10.5	10
Tightening torque: 15Nm MAX						

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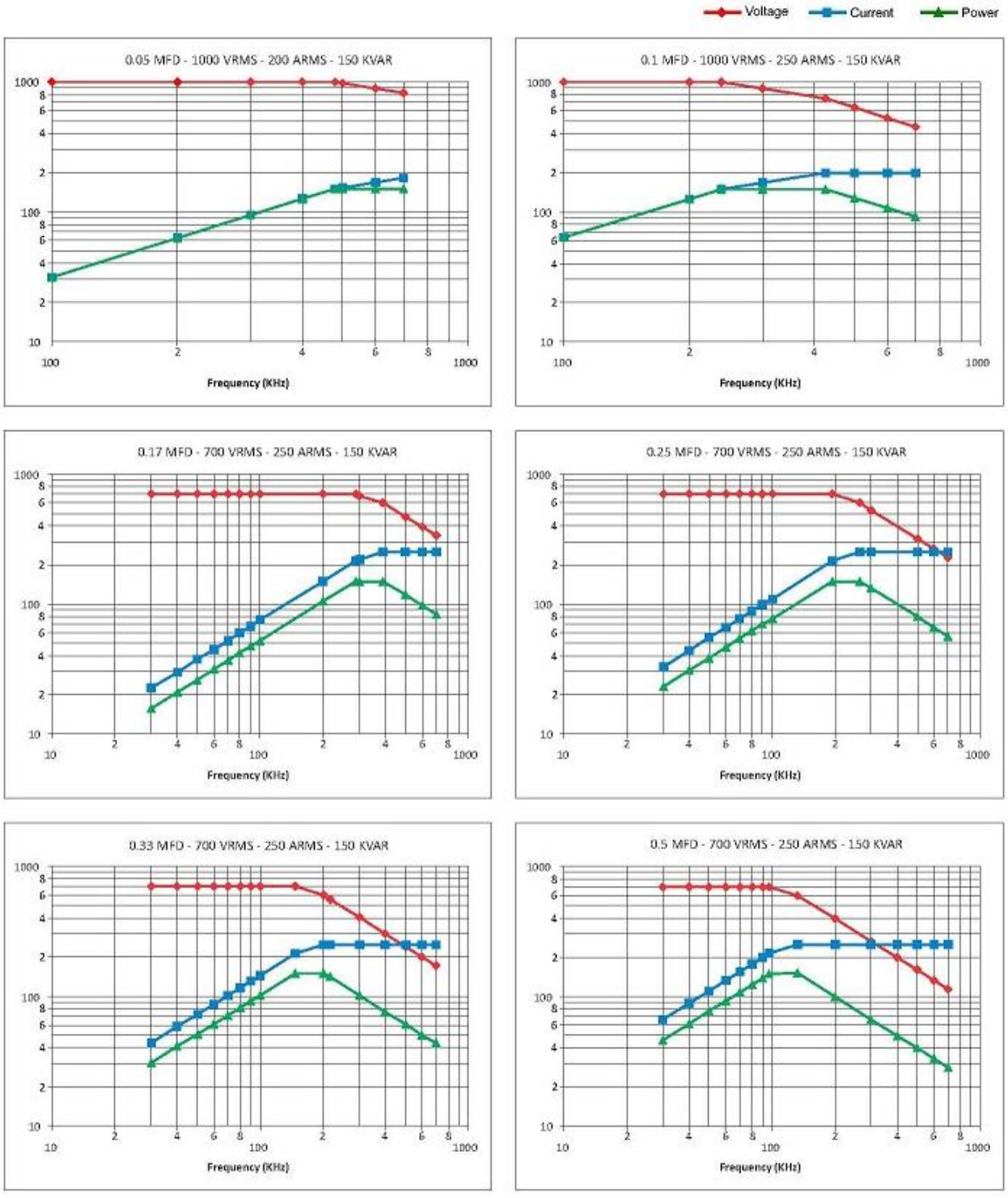
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Frequency Derating



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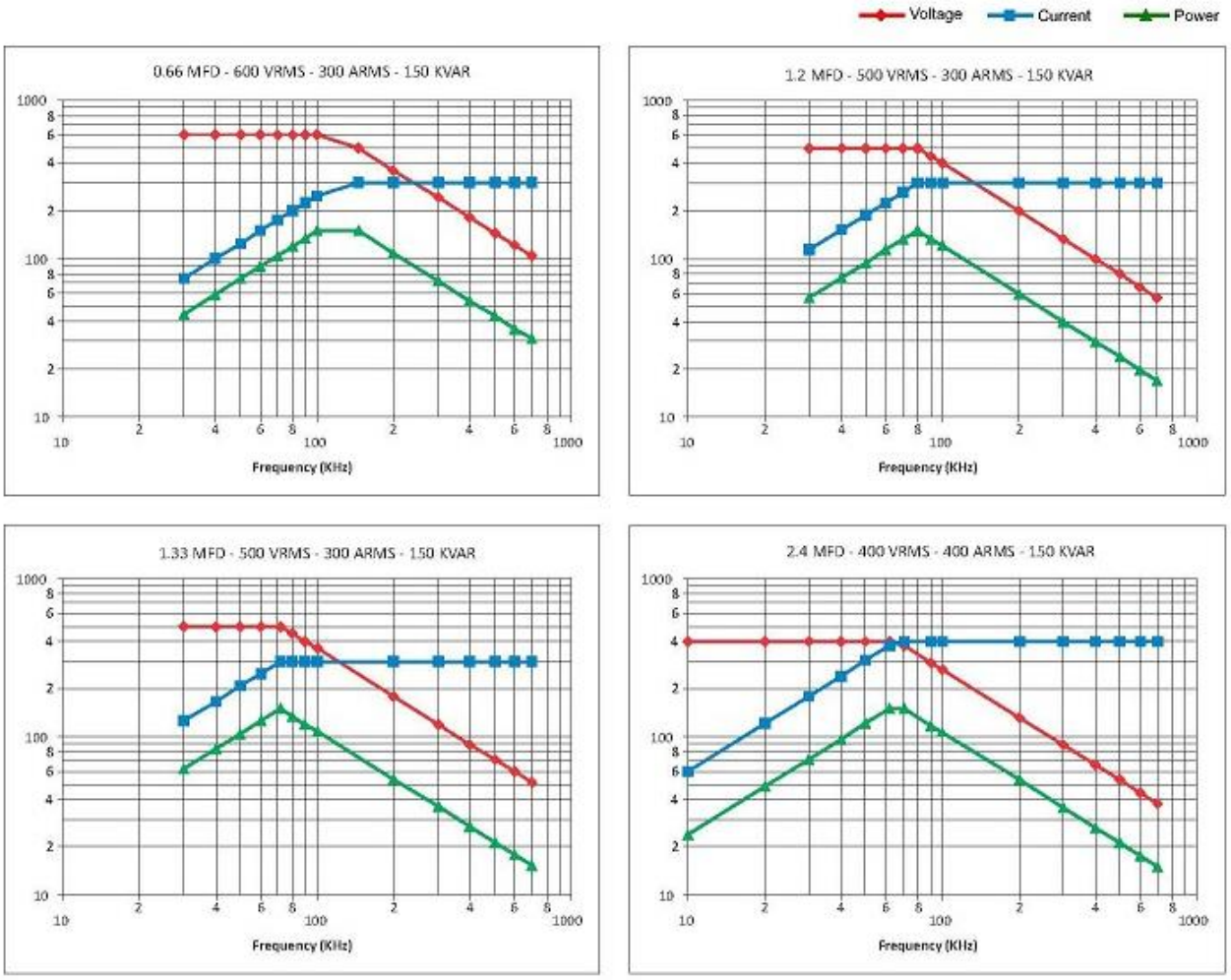
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