LC5
High Power Resonant Capacitors



FEATURES	High AC Voltage - High Current
APPLICATIONS	Induction Heating - Tank Circuits

KVAR	**500**
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	
1.2	1100	125LC5112K5PM8	600	500	55-96	1.5	54	100	100	5PM8
1.4	1100	145LC5112K5PM8	600	500	46-83	1.2	54	100	100	5PM8
3.0	750	305LC5750K5PM8	800	500	47-68	1.1	54	100	100	5PM8
3.3	750	335LC5750K5PM8	800	500	43-62	1.0	54	100	100	5PM8
4.0	900	405LC5900K5PM8	700	500	25-39	0.9	54	100	100	5PM8
5.6	700	565LC5700K5PM8	1000	500	29-57	0.9	54	100	100	5PM8
6.3	700	635LC5700K5PM8	1000	500	26-51	0.8	54	100	100	5PM8
8.5	700	855LC5700K5PM8	1000	500	19-38	0.7	54	100	100	5PM8
10	700	106LC5700K5PM8	1000	500	16-32	0.6	54	100	100	5PM8
21	500	216LC5500K5PM8	1000	500	15	0.4	54	100	100	5PM8
27	550	276LC5550K5PM8	1000	500	10-12	0.3	54	100	100	5PM8
33	500	336LC5500K5PM8	1000	500	10	0.3	54	100	100	5PM8
37	500	376LC5500K5PM8	1000	500	9	0.2	54	100	100	5PM8

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ILLINOIS CAPACITOR

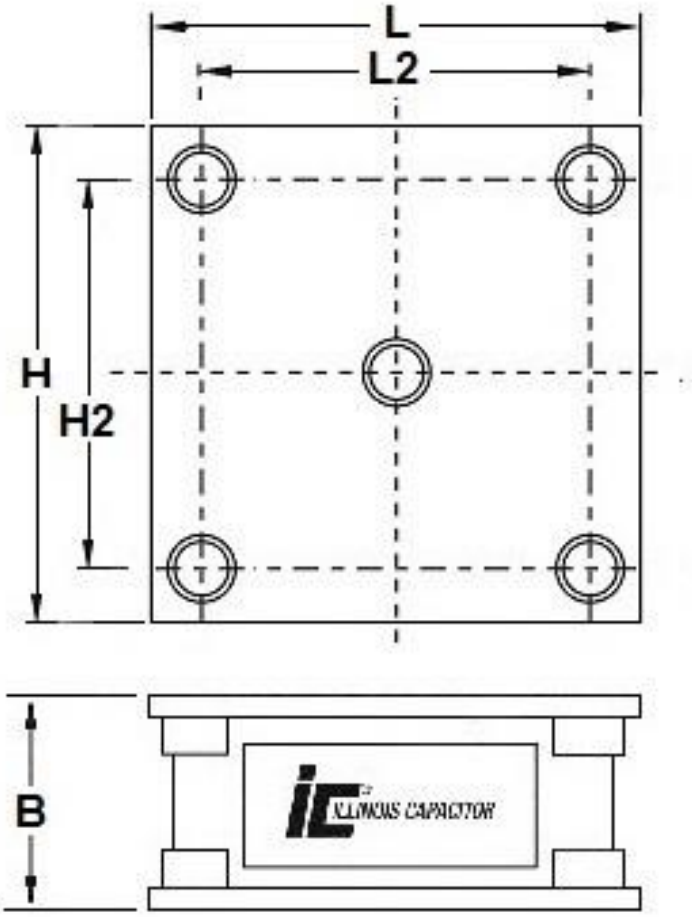
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LEAD STYLE:5PM8



L	H	B	H2	L2
100±1.0	100±1.0	54±0.5	78±0.5	78±0.5
Mounting Holes: M8 Tap				
Tightening torque: 20Nm MAX				

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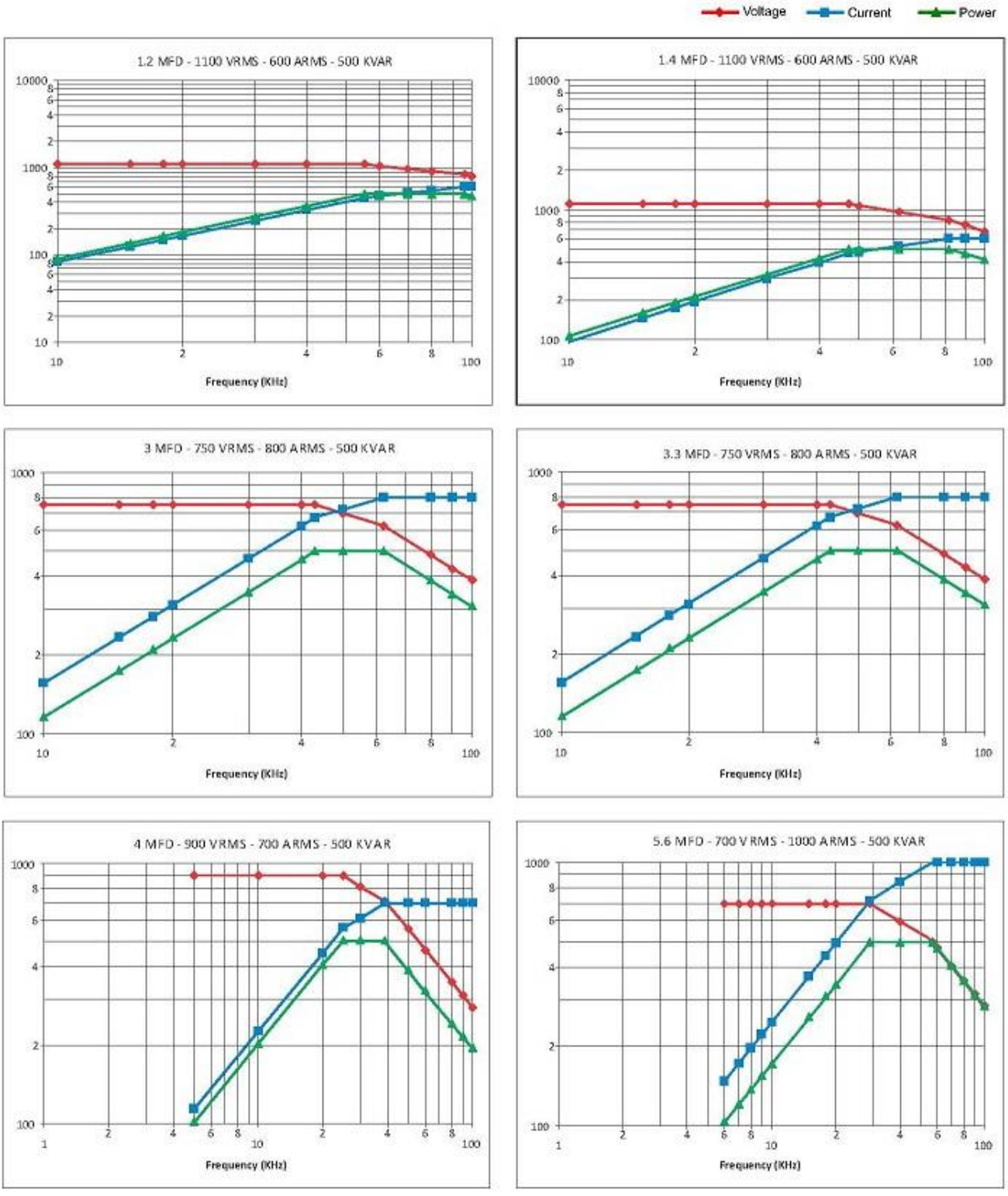
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Frequency Derating



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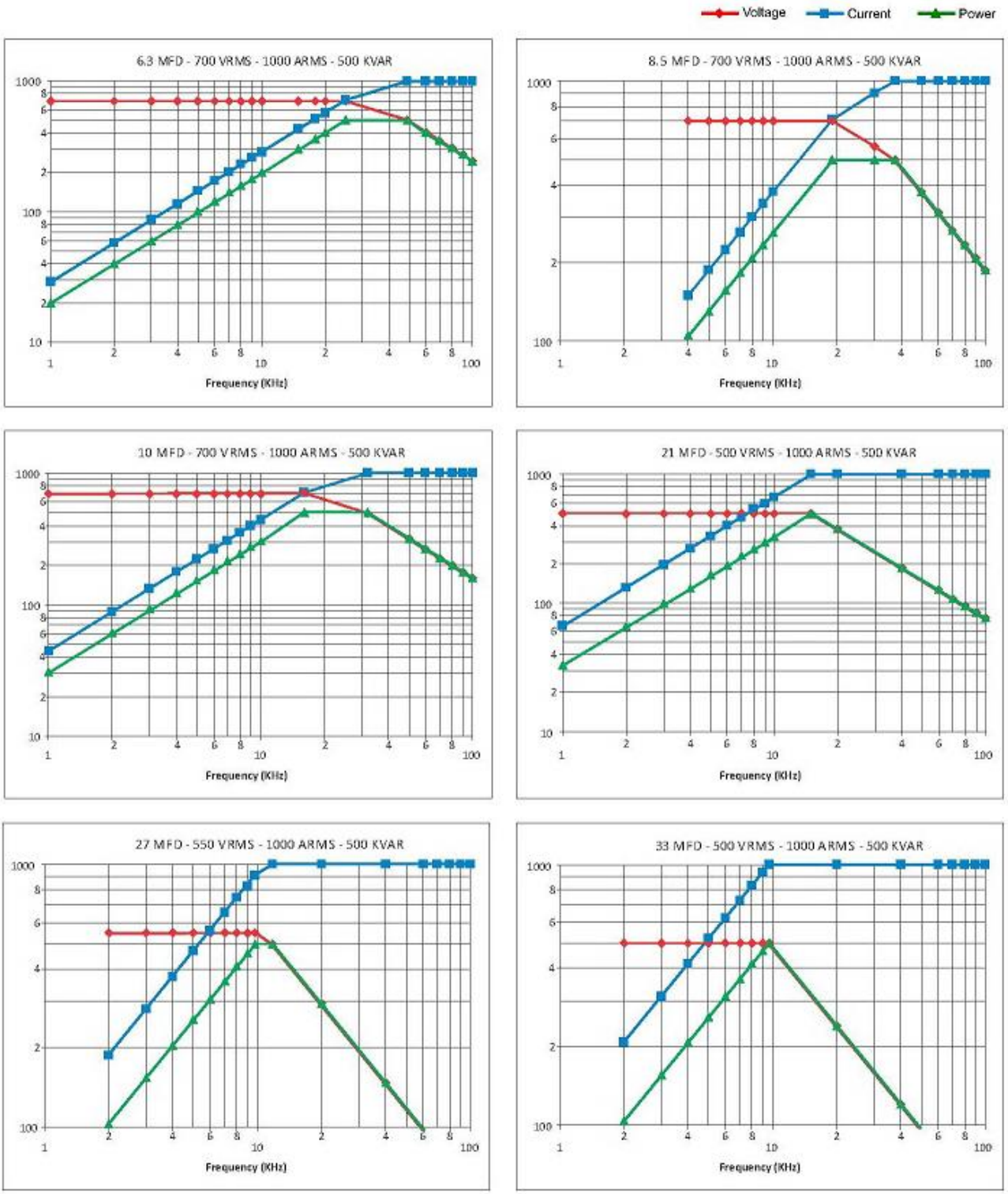
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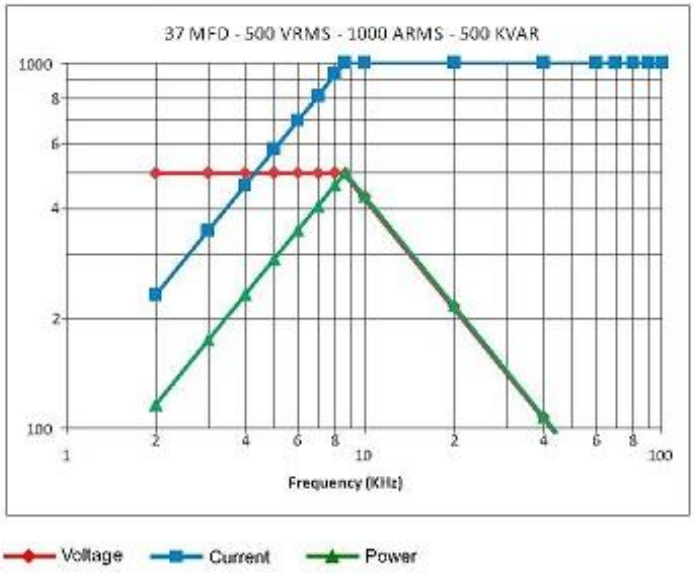
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