

LC3

High Power Resonant Capacitors



FEATURES

High AC Voltage - High current

APPLICATIONS

Induction Heating - Tank Circuits

KVAR	300
CAPACITANCE TOLERANCE	+/-10%
MAXIMUM CORE TEMPERATURE	+85°C
SURFACE TEMPERATURE	+45°C (Above 45°C the KVAR rating must be de-rated by 2.25%/°C)
CONSTRUCTION	Self-healing
SELF INDUCTANCE	<5 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	
0.1	1000	104LC3102KL505HM6	350	300	476-649	1.2	34	50	50	5HM6
0.2	1000	204LC3102KL505HM6	500	300	238-423	1.2	34	50	50	5HM6
0.25	700	254LC3700KL505HM6	500	300	390-530	1.2	34	50	50	5HM6
0.33	700	334LC3700KL505HM6	500	300	295-401	1	34	50	50	5HM6
0.66	700	664LC3700KL505HM6	500	300	147-200	0.8	34	50	50	5HM6
1	600	105LC3600KL505HM6	650	300	132-223	0.5	34	50	50	5HM6
1.2	600	125LC3600KL505HM6	650	300	111-187	0.5	34	50	50	5HM6
1.32	600	135LC3600KL505HM6	650	300	100-170	0.3	34	50	50	5HM6
2.4	500	245LC3500KL505HM6	650	300	80-97	0.2	34	50	50	5HM6
0.25	700	254LC3700K5LM8	500	300	390-530	1.2	34	78	78	5LM8
0.33	700	334LC3700K5LM8	500	300	295-401	1	34	78	78	5LM8
0.66	700	664LC3700K5LM8	500	300	147-200	0.8	34	78	78	5LM8
1	600	105LC3600K5LM8	650	300	132-223	0.5	34	78	78	5LM8
1.2	600	125LC3600K5LM8	650	300	111-187	0.5	34	78	78	5LM8
1.32	600	135LC3600K5LM8	650	300	100-170	0.3	34	78	78	5LM8
2.4	500	245LC3500K5LM8	650	300	80-97	0.2	34	78	78	5LM8
2.6	500	265LC3500K5LM8	650	300	72-85	0.2	34	78	78	5LM8
5	400	505LC3400K5LM8	800	300	59-67	0.1	34	78	78	5LM8



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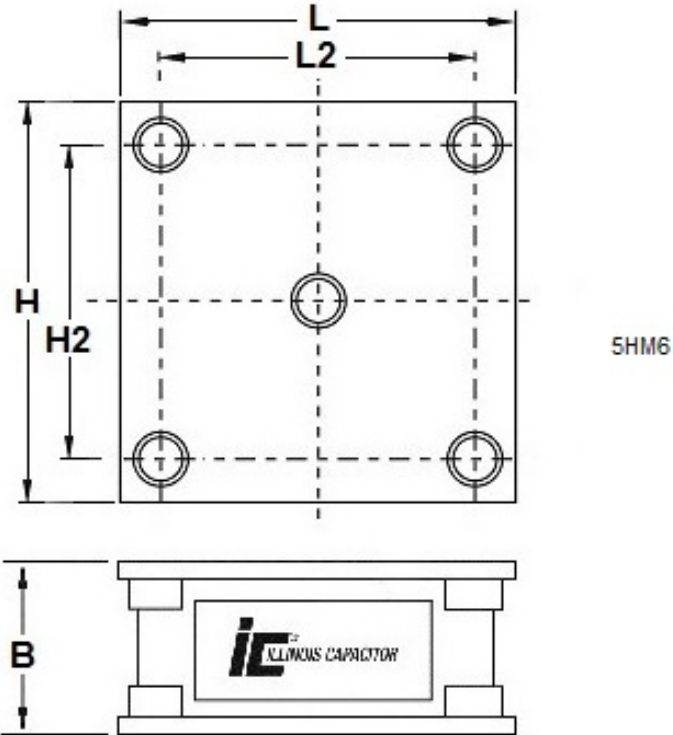
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LEAD STYLE: 5HM6, 5LM8



5HM6

Style	L	H	B	H2	L2	Mounting holes
5HM6	50 \pm 1.0	50 \pm 1.0	34 \pm 0.5	36	36	M6 Tap
5LM8	78 \pm 1.0	78 \pm 1.0	34 \pm 0.5	62	62	M8 Tap

Tightening torque: 20Nm MAX

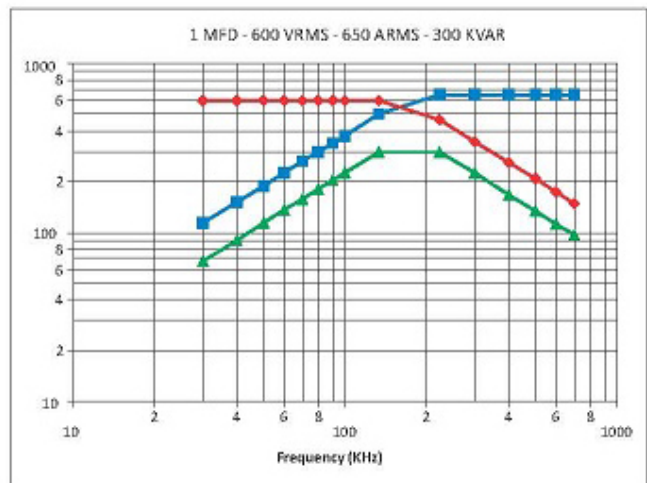
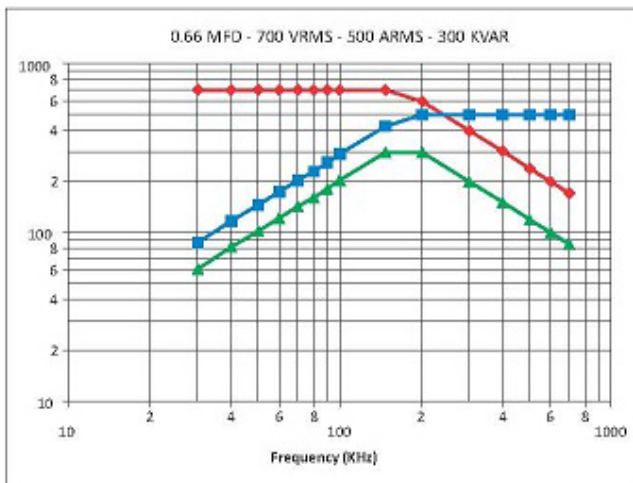
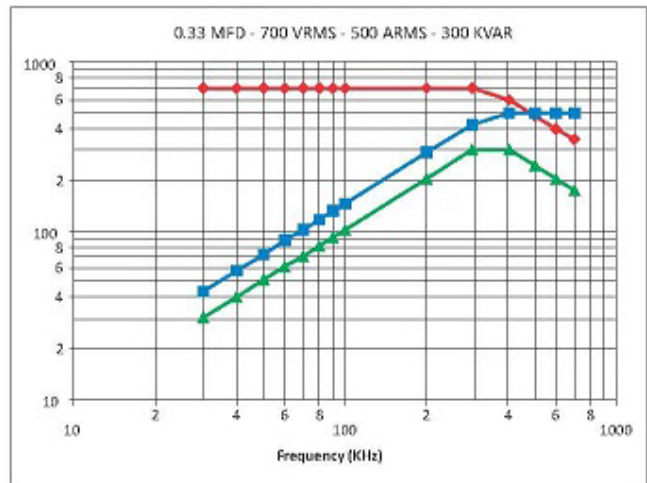
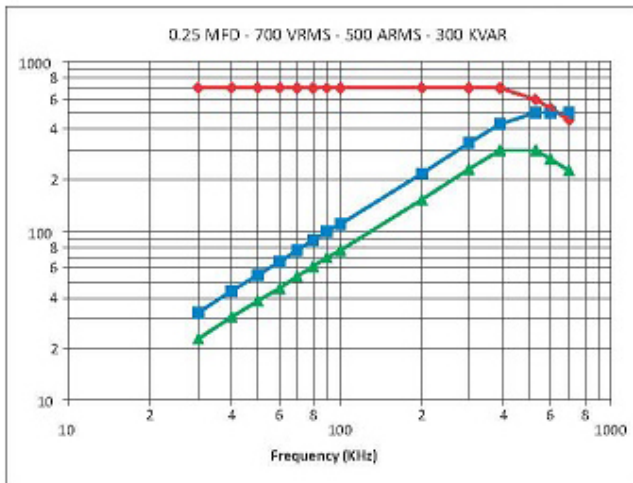
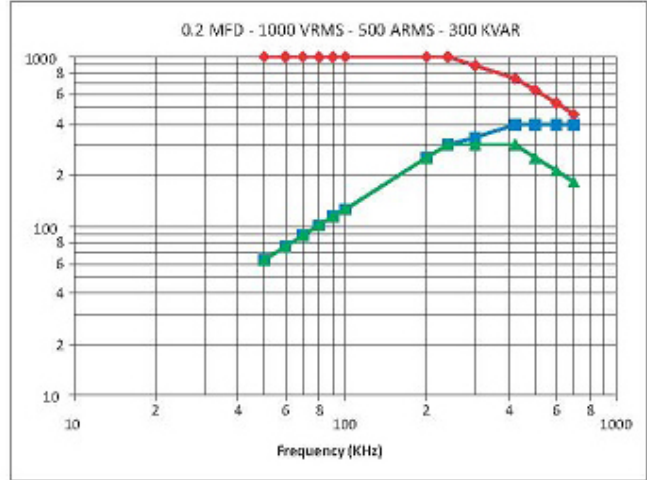
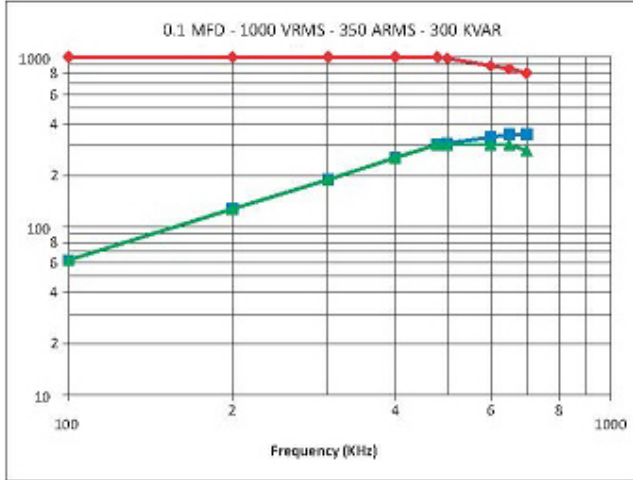
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Frequency Derating

—●— Voltage —■— Current —▲— Power



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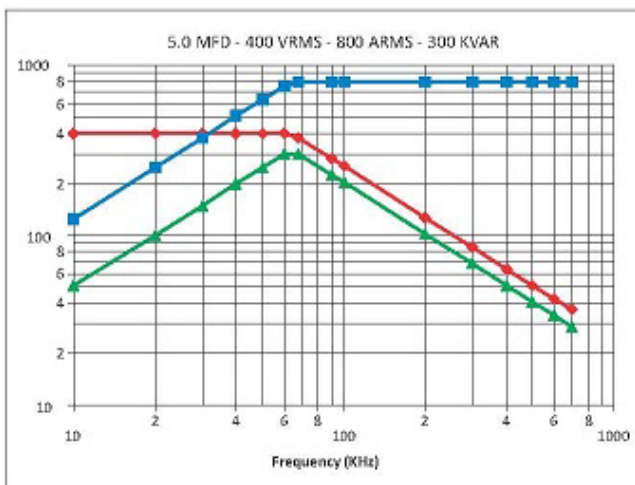
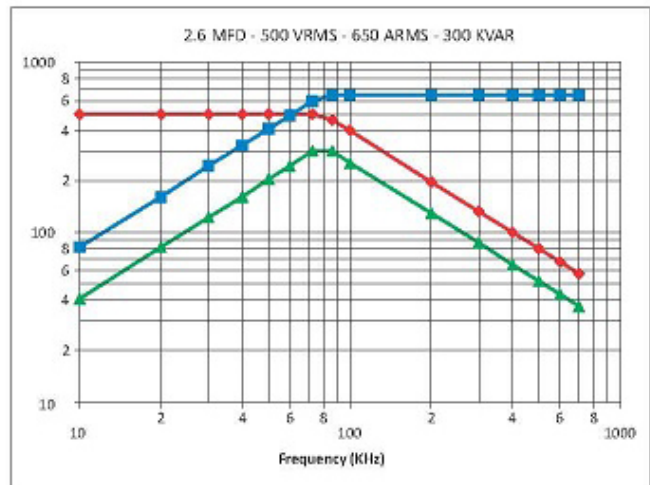
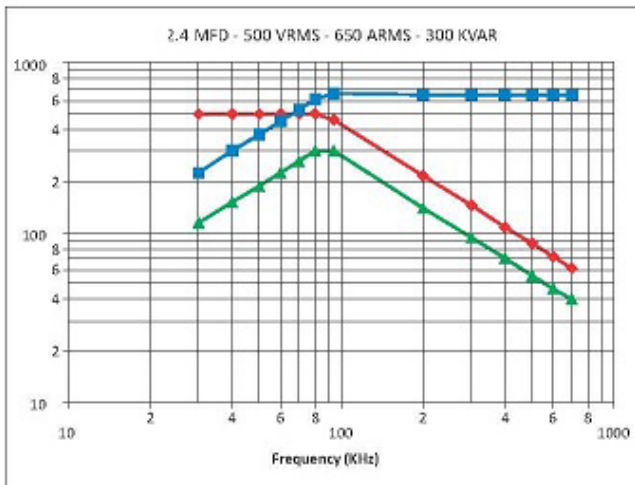
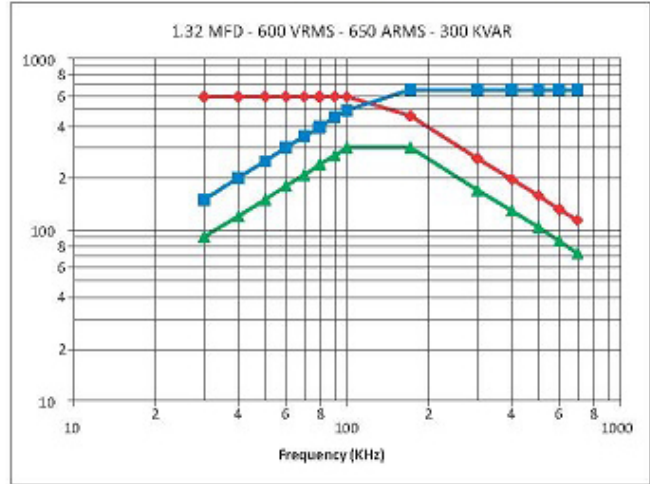
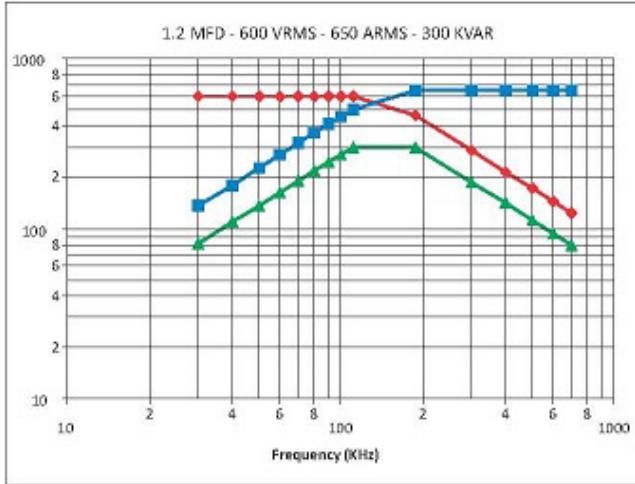
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