

# HC3A

## 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	< 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	
0.10	1000	<a href="#">104HC3A102K2SM6</a>	300	300	478	1.5	30.2	30	68	2SM6
0.17	1000	<a href="#">174HC3A102K2SM6</a>	300	300	281	1.4	30.2	30	68	2SM6
0.33	800	<a href="#">334HC3A800K2SM6</a>	400	300	225-256	1.2	30.2	30	68	2SM6
0.50	800	<a href="#">504HC3A800K2SM6</a>	400	300	149-170	1.1	30.2	30	68	2SM6
0.66	700	<a href="#">664HC3A700K2SM6</a>	450	300	147-163	1.0	30.2	30	68	2SM6
1.33	600	<a href="#">135HC3A600K2SM6</a>	500	300	99	0.9	30.2	30	68	2SM6
2.40	500	<a href="#">245HC3A500K2SM6</a>	600	300	79	0.8	30.2	30	68	2SM6

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 Phone: 1-508-996-8561  
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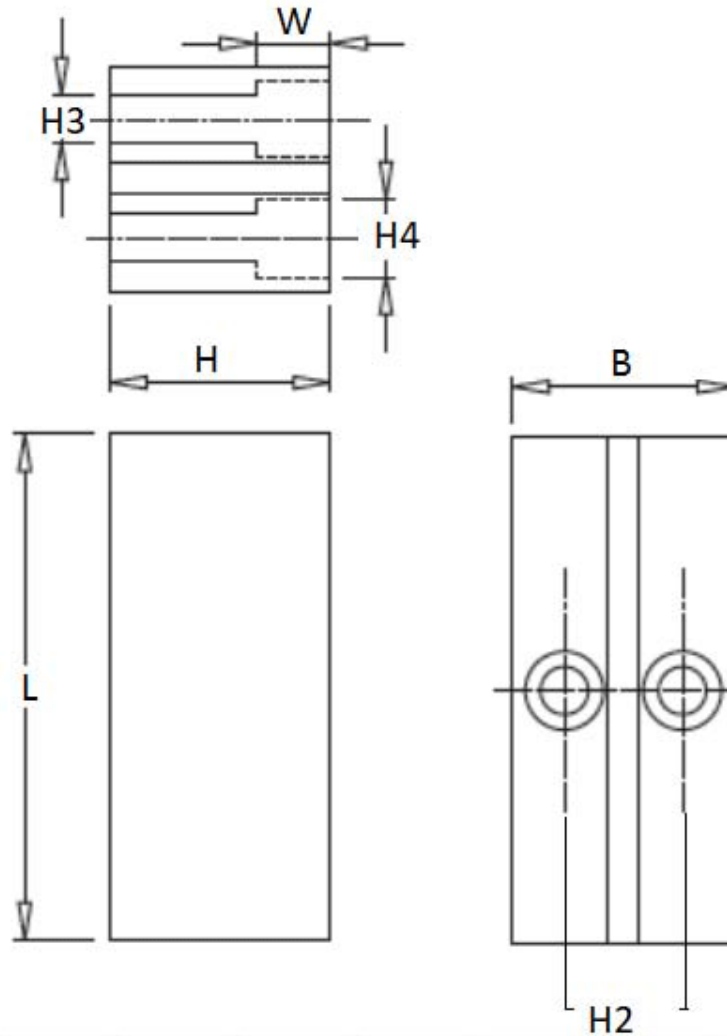
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TERMINAL STYLE: 2SM6



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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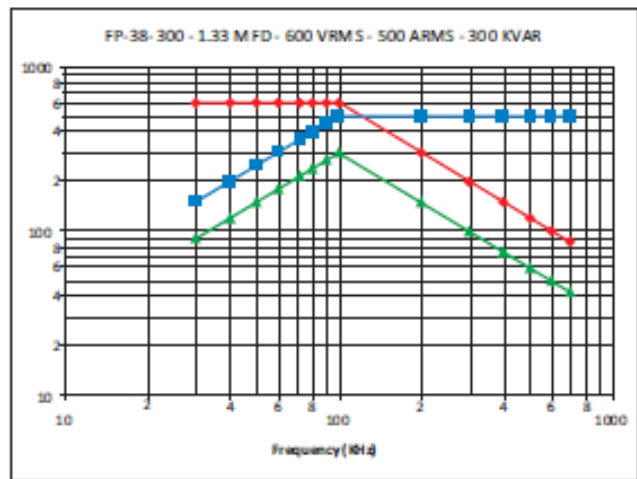
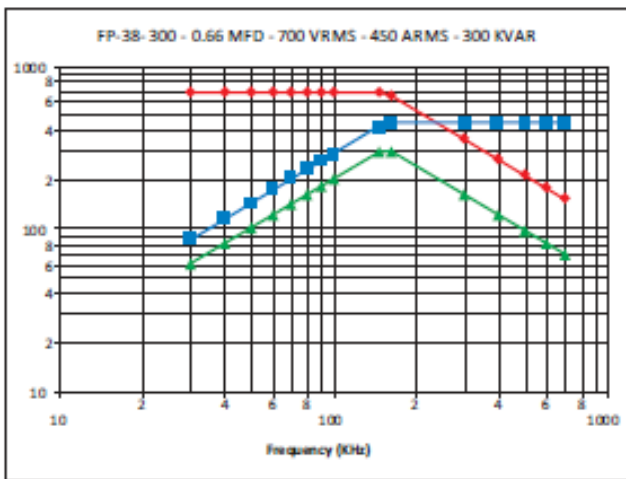
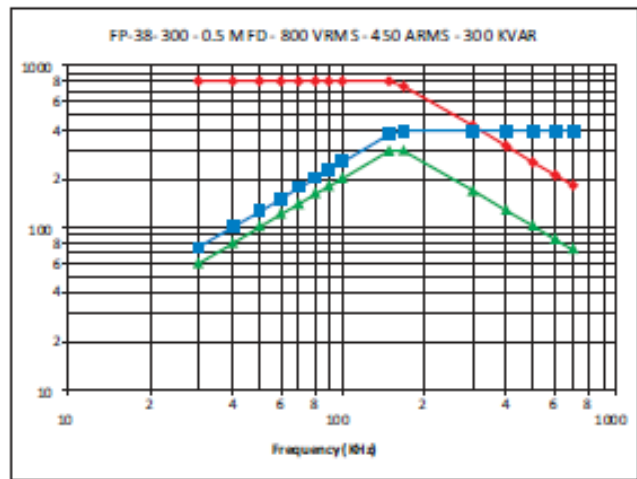
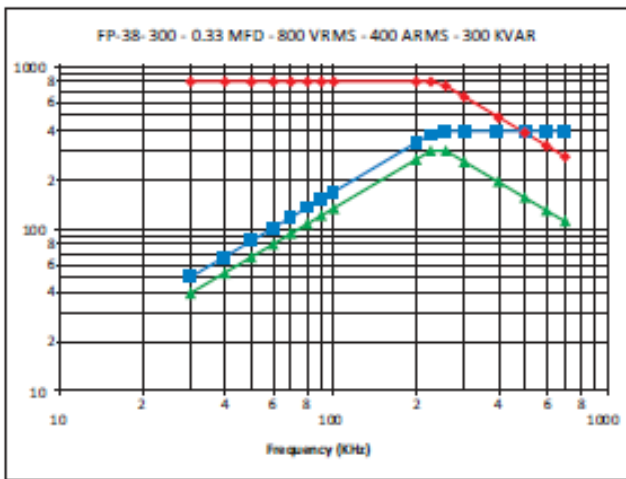
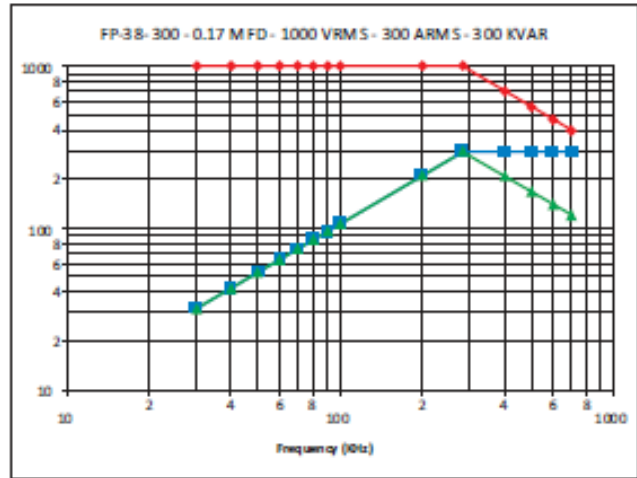
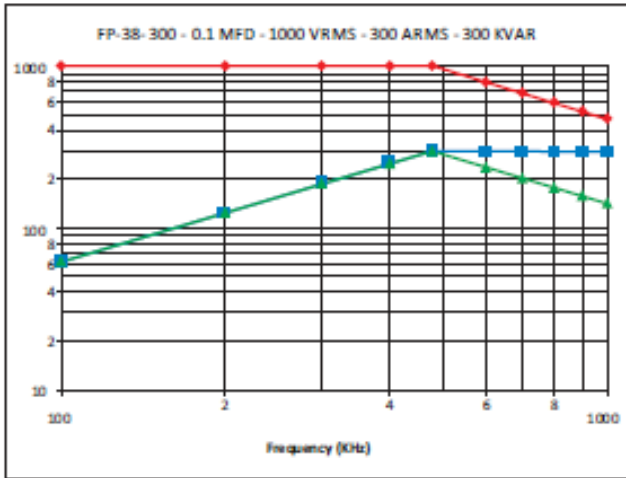
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## High Power Resonant Capacitors



### Frequency Derating

—●— Voltage    —■— Current    —▲— Power



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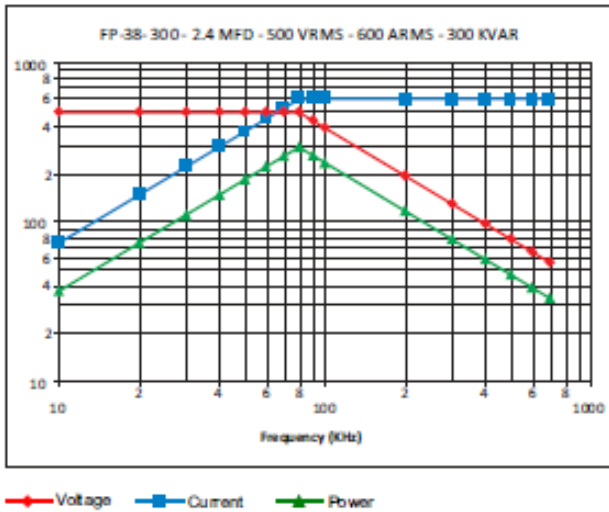
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### Frequency Derating



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