

# HC3B

## 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="#">104HC3B102K2SM6</a>	350	300	476-649	1.2	30.2	60	68	2SM6
0.20	1000	<a href="#">204HC3B102K2SM6</a>	500	300	238-423	1.2	30.2	60	68	2SM6
0.25	700	<a href="#">254HC3B700K2SM6</a>	500	300	390-530	1.2	30.2	60	68	2SM6
0.33	700	<a href="#">334HC3B700K2SM6</a>	500	300	295-401	1.0	30.2	60	68	2SM6
0.66	700	<a href="#">664HC3B700K2SM6</a>	500	300	147-200	0.8	30.2	60	68	2SM6
1.00	600	<a href="#">105HC3B600K2SM6</a>	650	300	132-223	0.5	30.2	60	68	2SM6
1.20	600	<a href="#">125HC3B600K2SM6</a>	650	300	111-187	0.5	30.2	60	68	2SM6
1.32	600	<a href="#">135HC3B600K2SM6</a>	650	300	100-170	0.3	30.2	60	68	2SM6
2.40	500	<a href="#">245HC3B500K2SM6</a>	650	300	80-97	0.2	30.2	60	68	2SM6
2.60	500	<a href="#">265HC3B500K2SM6</a>	650	300	72-85	0.2	30.2	60	68	2SM6
5.00	400	<a href="#">505HC3B400K2SM6</a>	800	300	59-67	0.1	30.2	60	68	2SM6

Americas / EU

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**CORNELL  
DUBILIER**



Asia

Phone: 852-2793-0931

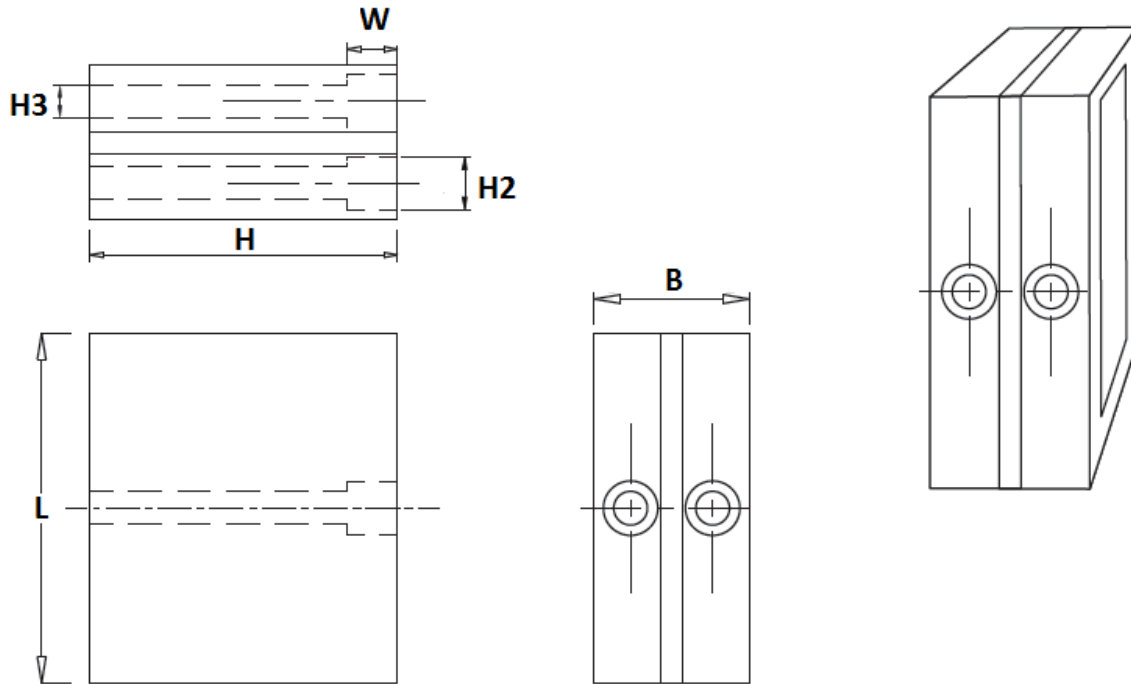
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## TERMINAL STYLE: 2SM6



L	H	B	H2	H3	W
68 ± 1	60 ± 1	30.2 ± 0.1	10.5	6.5	8
Tightening torque: 15Nm MAX					

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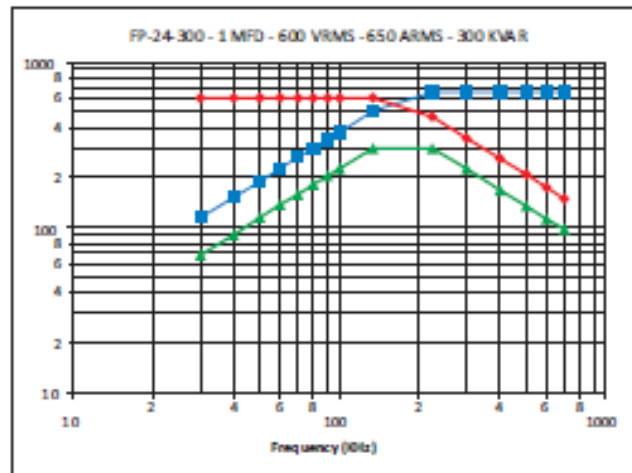
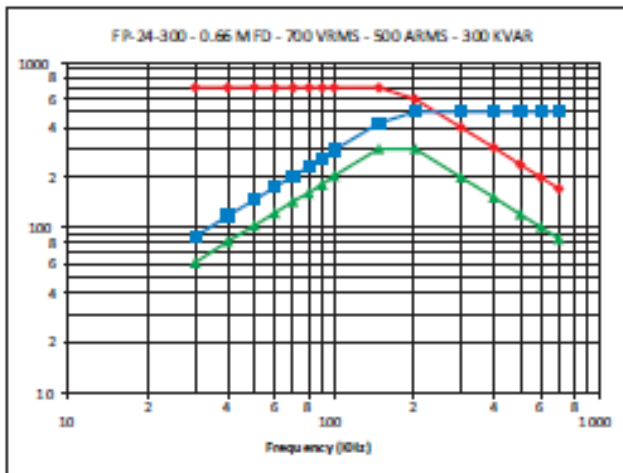
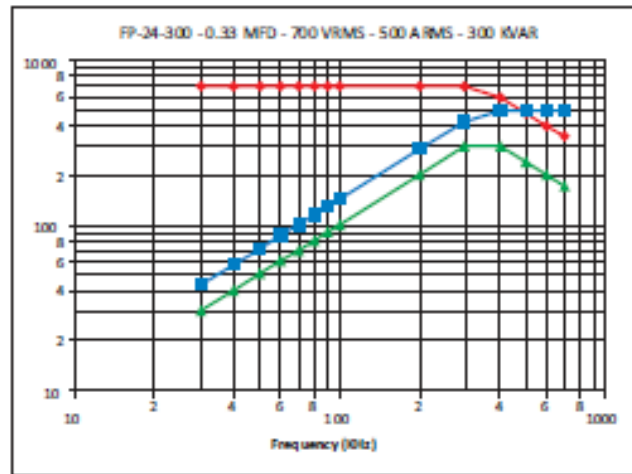
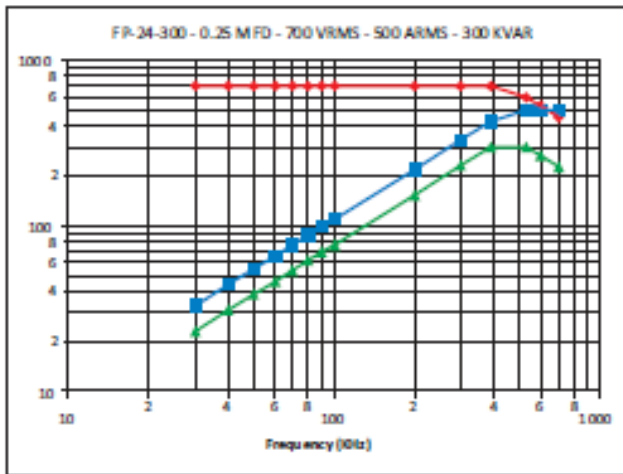
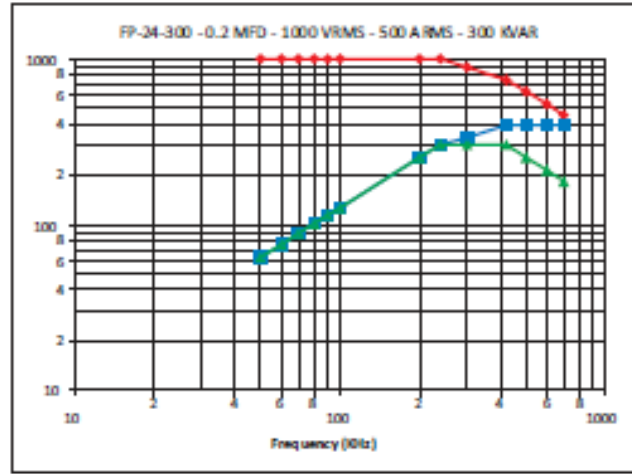
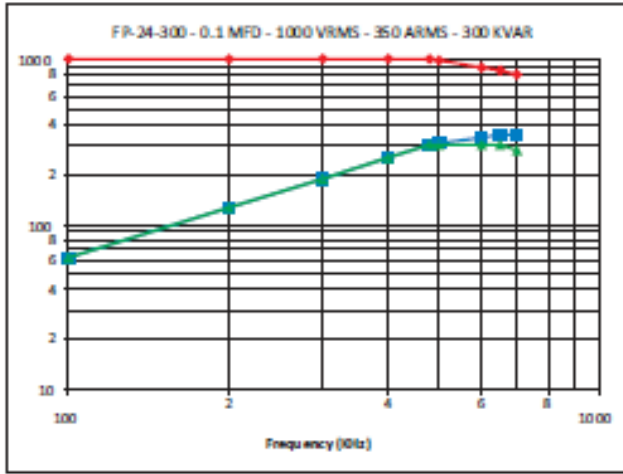
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## High Power Resonant Capacitors



### Frequency Derating

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



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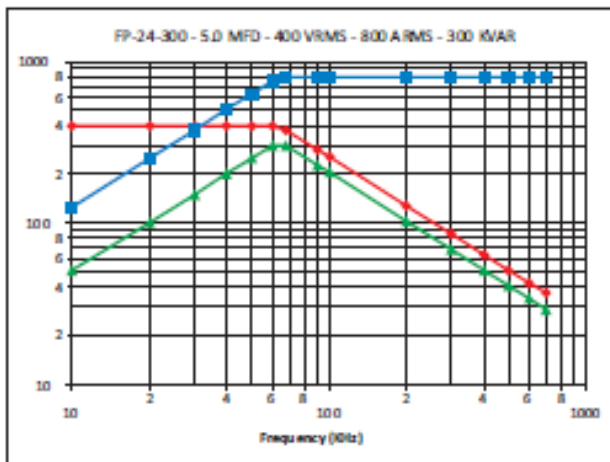
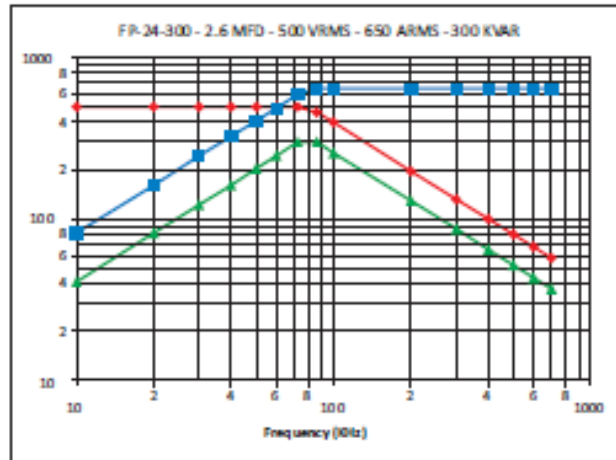
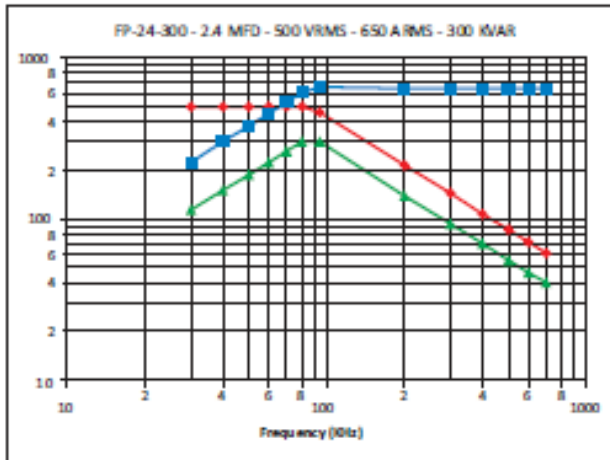
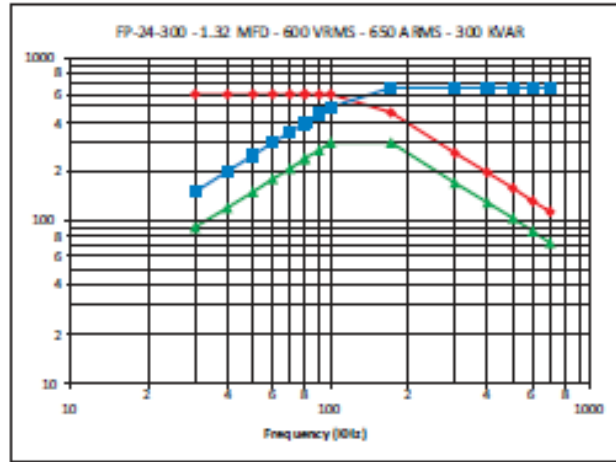
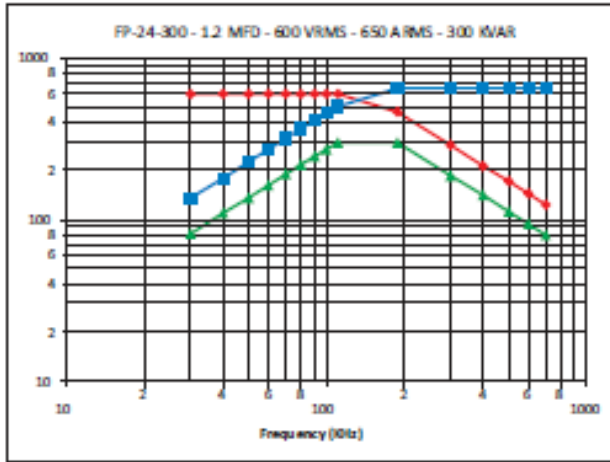
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