

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



Your Global Source for World-Class Capacitors

© 2017 Illinois Capacitor

North America
Tel: 847.675.1760
sales@illcap.com

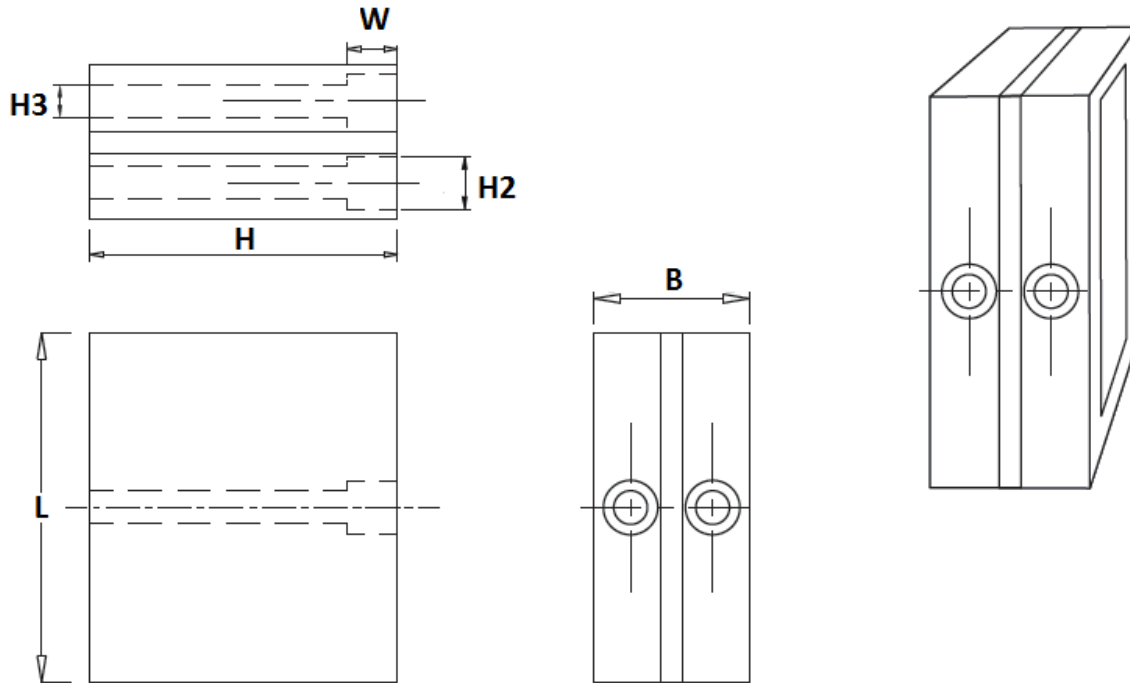
Asia
Tel: 852.2793 0931
sales@illcap.com.hk

HC3B

High Power Resonant Capacitors



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					

ILLINOIS CAPACITOR

Your Global Source for World-Class Capacitors

© 2017 Illinois Capacitor

North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk

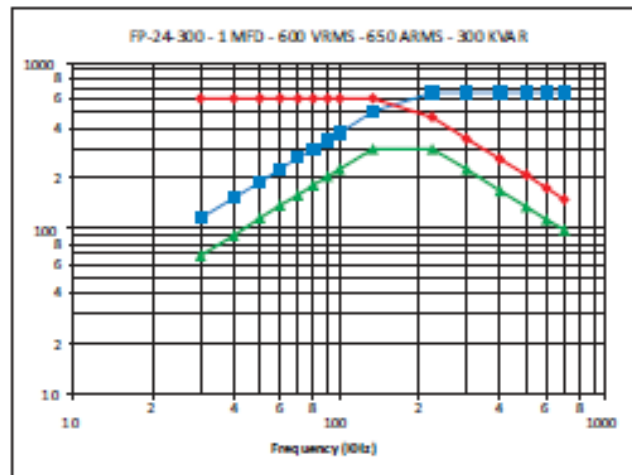
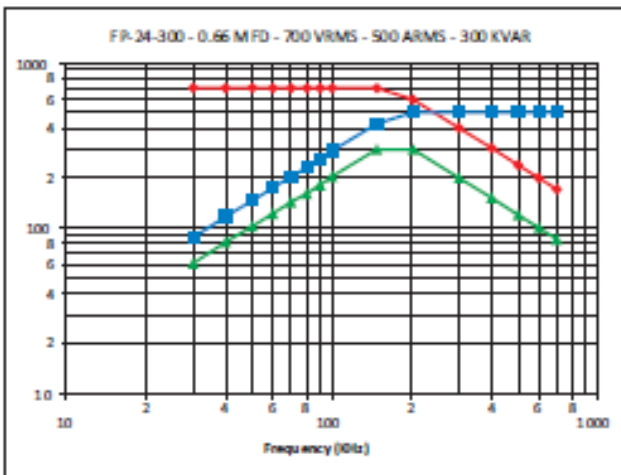
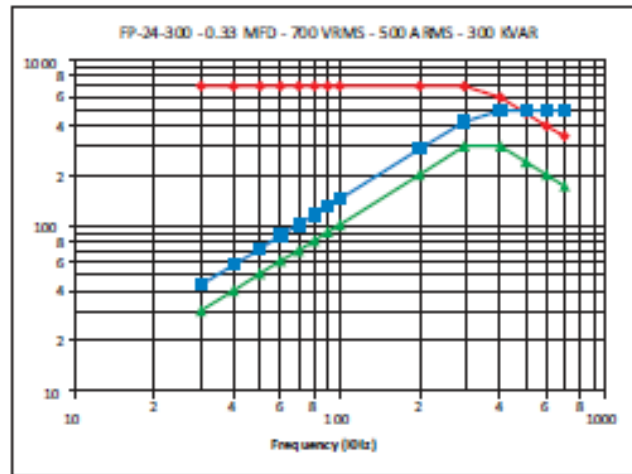
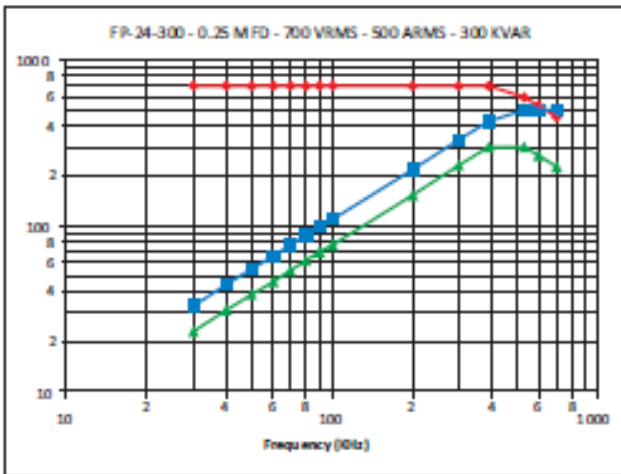
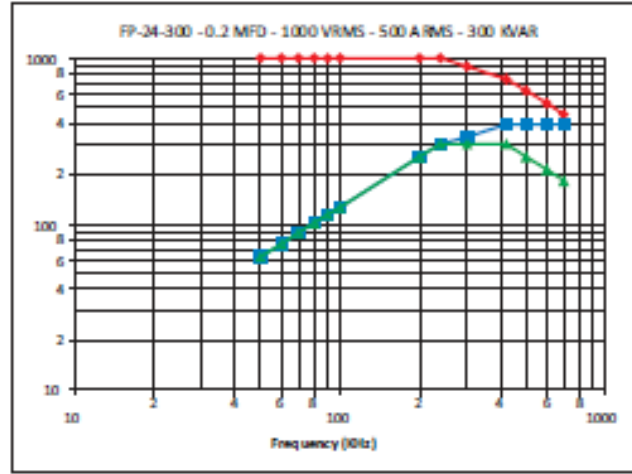
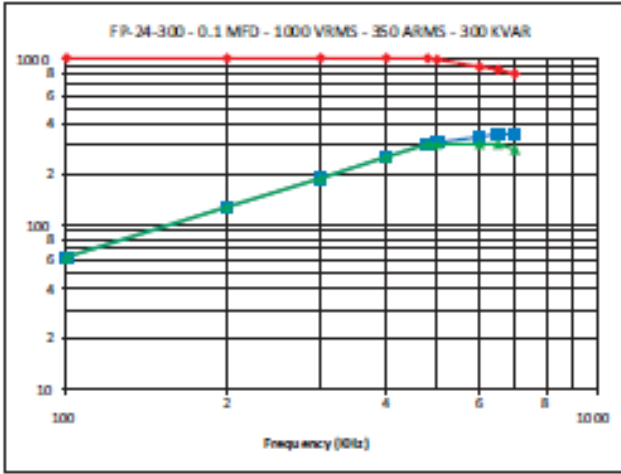
HC3B

High Power Resonant Capacitors



Frequency Derating

—●— Voltage —■— Current —▲— Power



ILLINOIS CAPACITOR

Your Global Source for World-Class Capacitors

© 2017 Illinois Capacitor

North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk

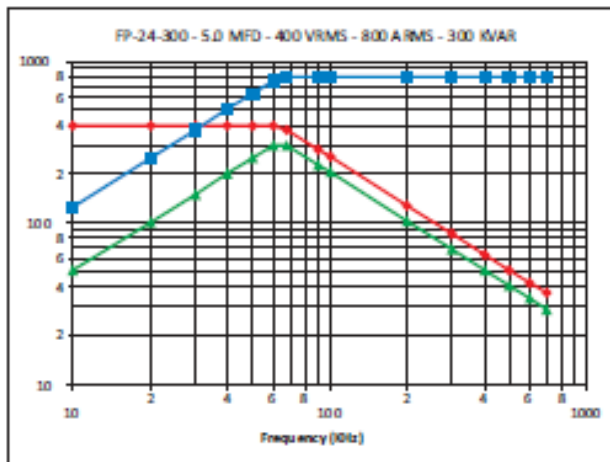
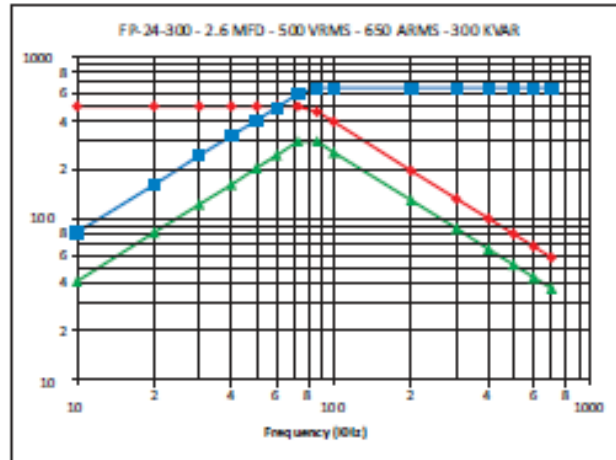
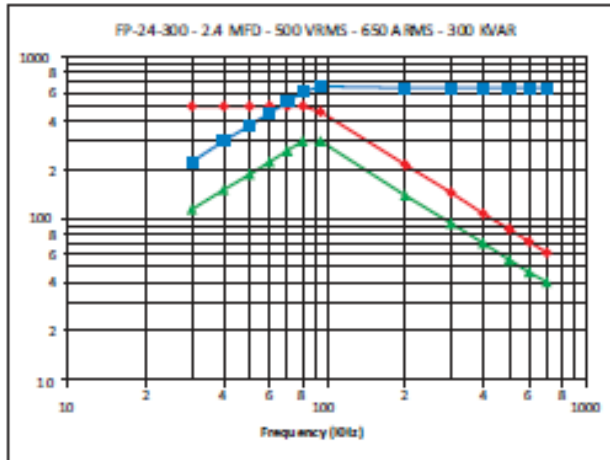
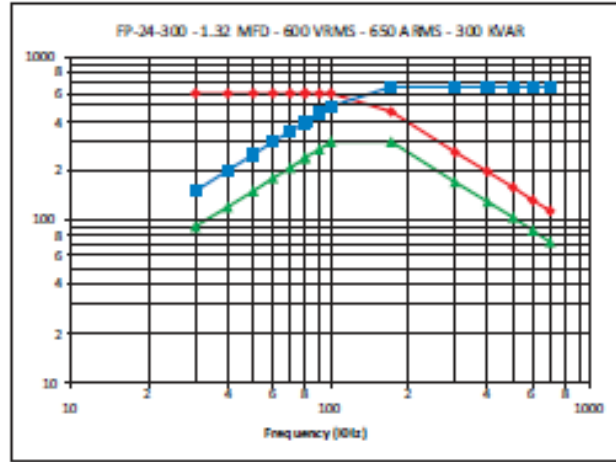
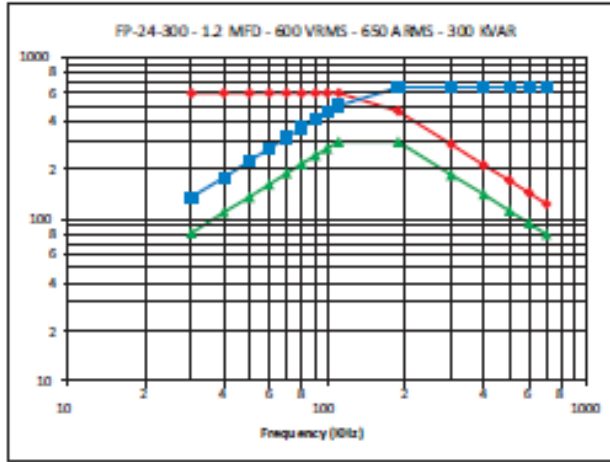
HC3B

High Power Resonant Capacitors



Frequency Derating

—●— Voltage —■— Current —▲— Power



ILLINOIS CAPACITOR

Your Global Source for World-Class Capacitors

© 2017 Illinois Capacitor

North America
Tel: 847.675.1760
sales@illcap.com

Asia
Tel: 852.2793 0931
sales@illcap.com.hk