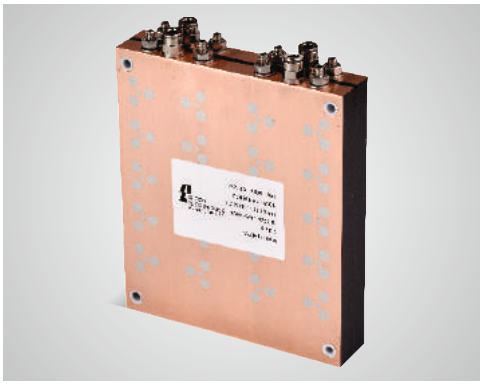
FP-8C-1500

Highlights

- Water cooled
- Polypropylene dielectric
- Self-healing
- Low Stray inductance
- Operating frequency 700KHz
- Maximum operating core temperature 85°C
- Flame retardant UL94 - V0, ROHS compliant

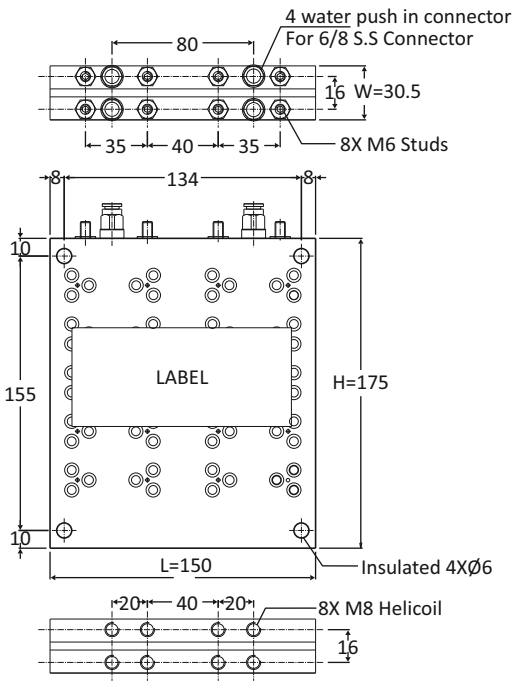


Standard Capacitor Values

Rated Voltage Vrms	Nominal capacitance MFD at 1KHz	Max current Irms	Max power Kvar	Frequency KHz	Dimensions mm			Case Code	Terminal Style	Ordering Code
					W±0.5	H±1	L±1			
1000	0.50	1750	1500	479-651	30.5	175	150	L4	WCL	SP00U501000BJ0L40WCLK01
	1.00	1750	1500	240-326	30.5	175	150	L4	WCL	SP000011000BJ0L40WCLK01
	1.32	1750	1500	159-217	30.5	175	150	L4	WCL	SP01U321000BJ0L40WCLK01
	1.50	1750	1500	159-217	30.5	175	150	L4	WCL	SP01U501000BJ0L40WCLK01
	1.70	1750	1500	142-192	30.5	175	150	L4	WCL	SP01U701000BJ0L40WCLK01
900	3.30	2500	1500	90-202	30.5	175	150	L4	WCL	SP03U300900BJ0L40WCLK01
800	5.00	2500	1500	76-134	30.5	175	150	L4	WCL	SP000050800BJ0L40WCLK01
700	6.60	3000	1500	75-146	30.5	175	150	L4	WCL	SP06U600700BJ0L40WCLK01
600	13.2	3000	1500	51-73	30.5	175	150	L4	WCL	SP13U200600BJ0L40WCLK01
500	24.0	3000	1500	41-41	30.5	175	150	L4	WCL	SP000240500BJ0L40WCLK01

Capacitor Drawing and Terminal Style

Terminal Style : WCL

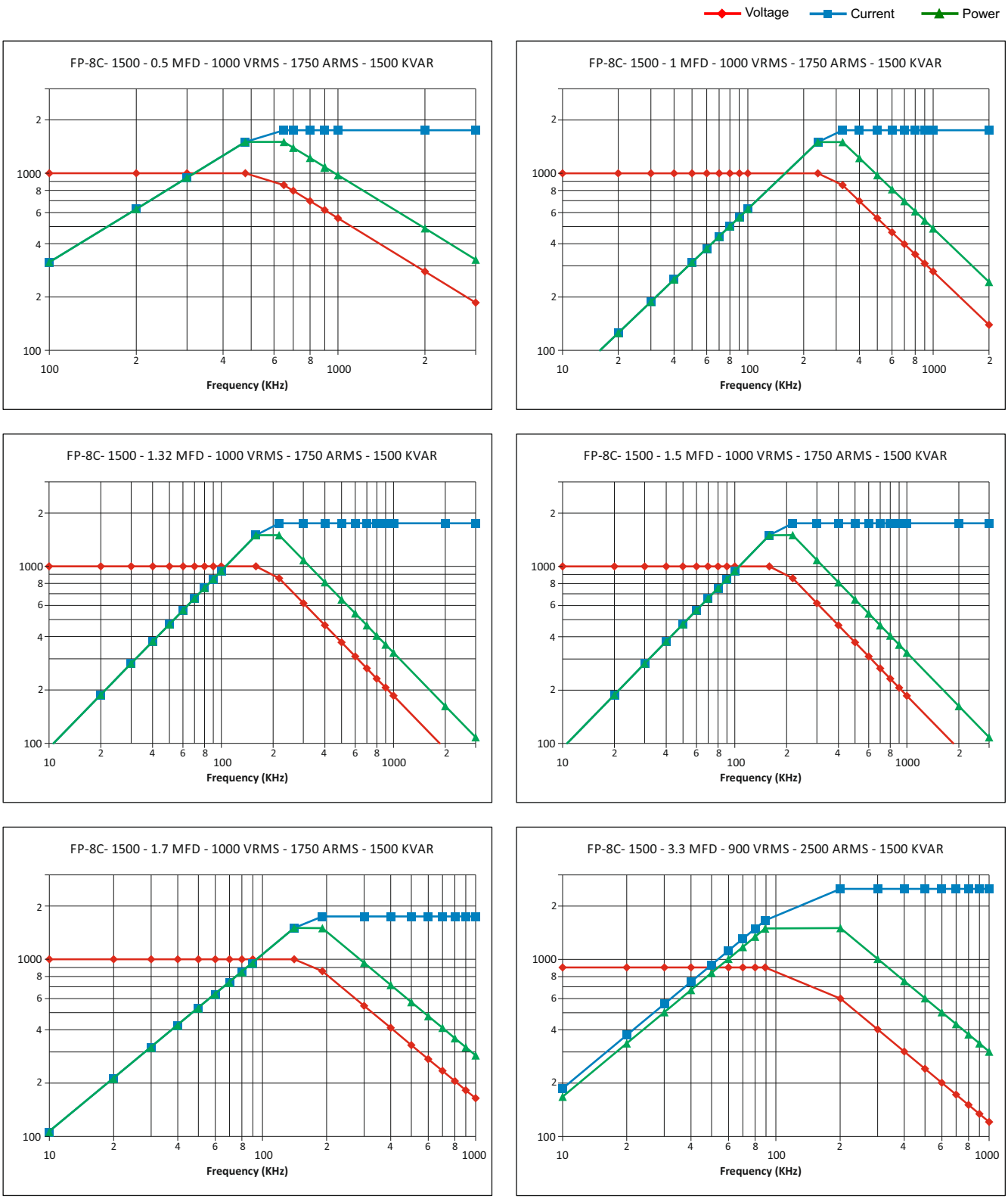


Dimensions in mm

Weight = 4.2Kg
Electrode material = Copper
Dimensions in mm
Tolerances other than specified are general ±0.5mm

FP-8C-1500

Frequency Derating



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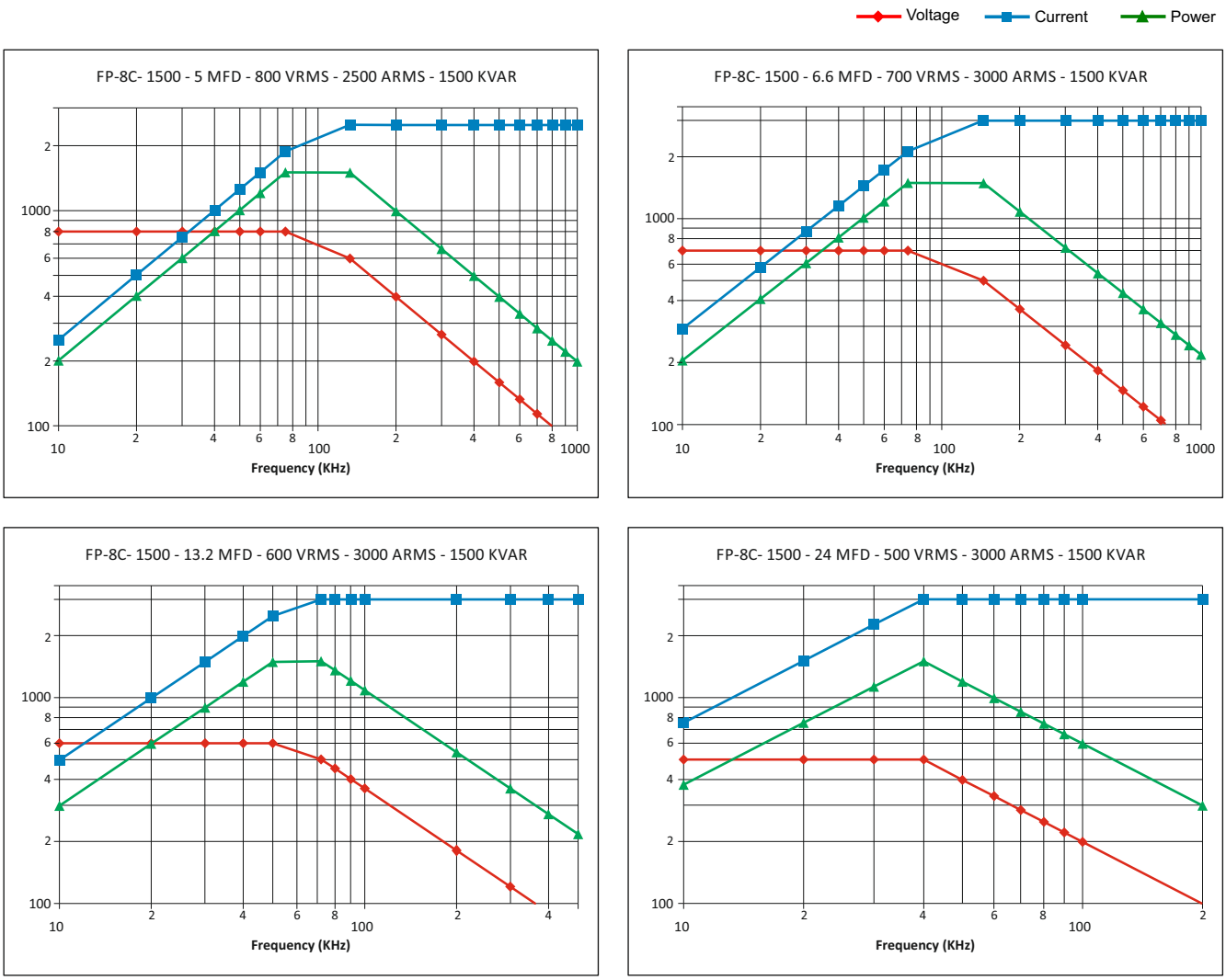
Frequency Derating



Part Number System

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	**2**	**3 to 7**					**8 to 11**				**12 to 13**		**14 to 16**			**17 to 20**				**21**	**22 to 23**	

Standard / Non-standard

S - Standard

N - Non-standard

Series

A - Aluminium Electrolytic Capacitors

I - IGBT Snubber Capacitors

D - DC-Link Capacitors

P - Power Film Capacitors

Capacitance Rating

example : 00U10 - 0.1 MFD
00U66 - 0.66 MFD
01U20 - 1.20 MFD
02U60 - 2.60 MFD
00001 - 1.00 MFD

Voltage Rating

example : 1000 - 1000 VDC/VRMS
0700 - 700 VDC/VRMS
0500 - 500 VDC/VRMS

Grade

example : AW - FP-5F-200
AS - FP-4-150
A1 - FP-9-300
BA - FP-36-500
BD - FP-31-1000

Case code

(Refer table)

Terminal Style

example : SM - 00SM
5H - 005H
AL - 00AL
STD - 0STD
WCL - 0WCL

Tolerance

M : ±20%
K : ±10%
J : ±5%

Canias Code

By Default - 01

Cautions For Proper Use Of Film Capacitor

SAFETY INSTRUCTION

- Do not exceed the upper category temperature (UCT).
- Do not apply any mechanical stress to the capacitor terminals.
- Avoid any compressive, tensile or flexural stress.
- Do not move the capacitor after it has been assembled
- Do not exceed the specified torque limits during assembly.
- Avoid external energy inputs, such as fire or electricity.
- Avoid overload of the capacitors.
- Consult us if application is with severe temperature and humidity condition.
- There are no serviceable or repairable parts inside the capacitor. Opening the capacitor or any attempts to open or repair the capacitor will void the warranty and liability of ALCON

DISPOSAL

For disposal do either of the followings.

1. Incineration (at high temperature over 800°C) after piercing or crushing capacitor body.
2. Consignment to specialists of industrial waste. As per the compliance prescribed by the law.