FP-11R-500

Highlights

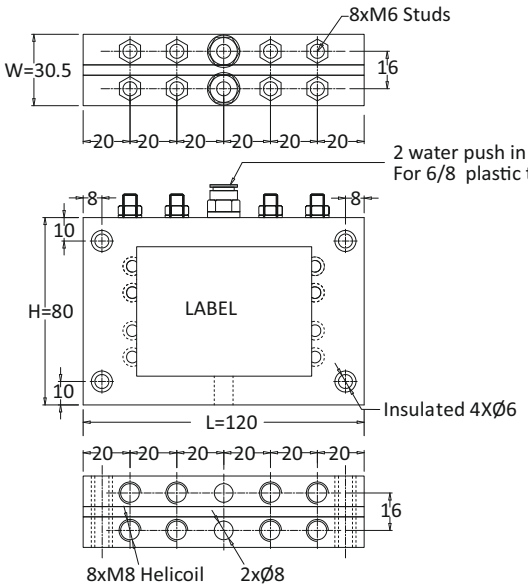
- Water cooled
- Polypropylene dielectric
- Self-healing
- Low Stray inductance
- Operating frequency up to 900 KHz
- Maximum operating core temperature 85°C
- Flame retardant UL94 - V0, ROHS compliant

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
					B	H	L			
700	0.20	750	500	812-896	30.5	80	120	M1	WCL	SP00U200700BG0M10WCLK01
	0.40	800	500	405-505	30.5	80	120	M1	WCL	SP00U400700BG0M10WCLK01
	0.68	1000	500	239-467	30.5	80	120	M1	WCL	SP00U680700BG0M10WCLK01
	1.40	1000	500	116-226	30.5	80	120	M1	WCL	SP01U400700BG0M10WCLK01
600	2.00	1000	500	111-160	30.5	80	120	M1	WCL	SP000020600BG0M10WCLK01
	2.60	1000	500	85-123	30.5	80	120	M1	WCL	SP02U600600BG0M10WCLK01
500	4.00	1000	500	80-80	30.5	80	120	M1	WCL	SP000040500BG0M10WCLK01
	5.40	1000	500	59-59	30.5	80	120	M1	WCL	SP05U400500BG0M10WCLK01
400	10.0	1000	400	40-40	30.5	80	120	M1	WCL	SP000100400BG0M10WCLK01

Capacitor Drawing and Terminal Style

Terminal Style : WCL

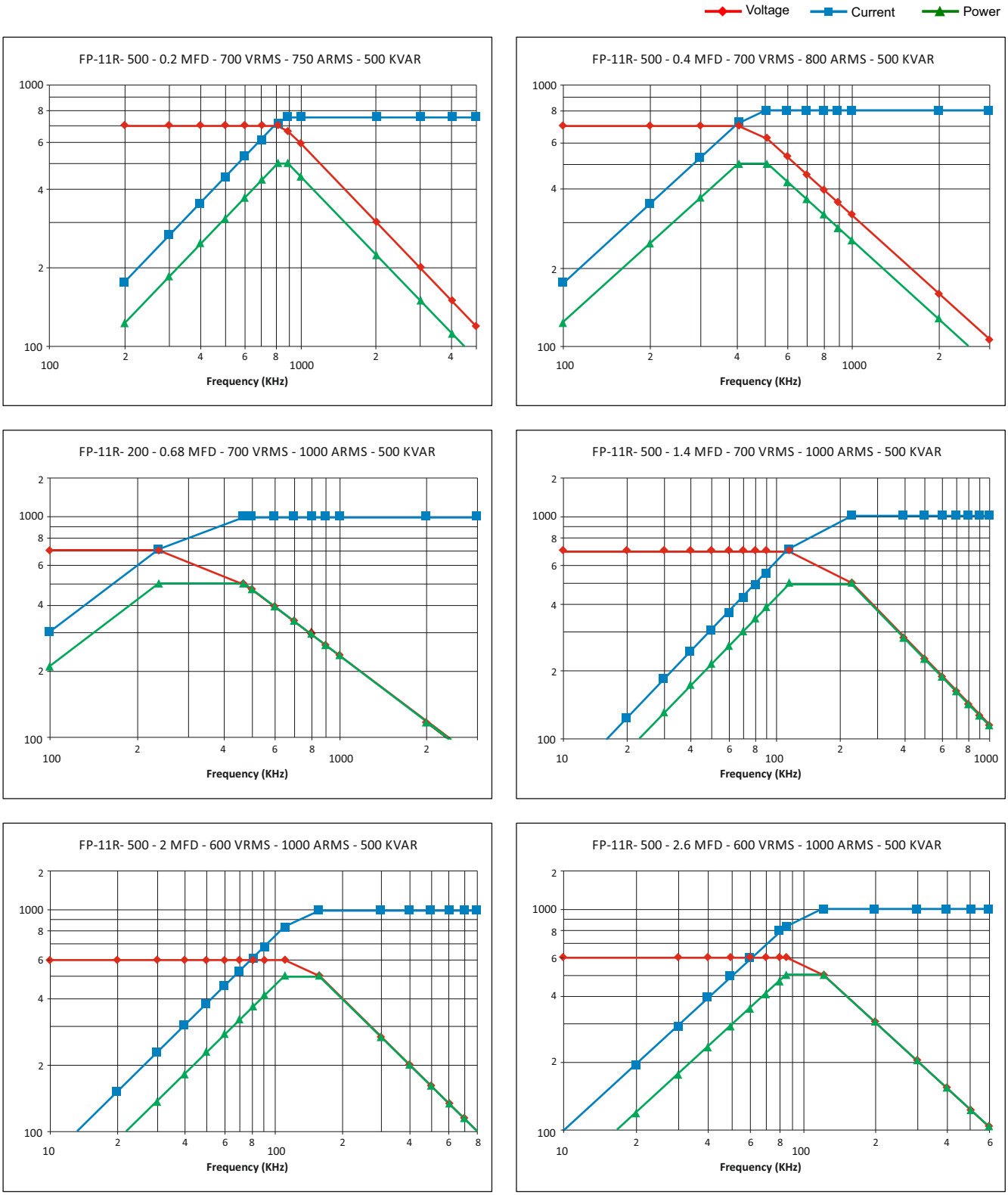


Dimensions in mm

Weight = 1.5 Kg
Electrode material = Copper
Dimensions in mm
Tolerances other than specified are general ±0.5mm

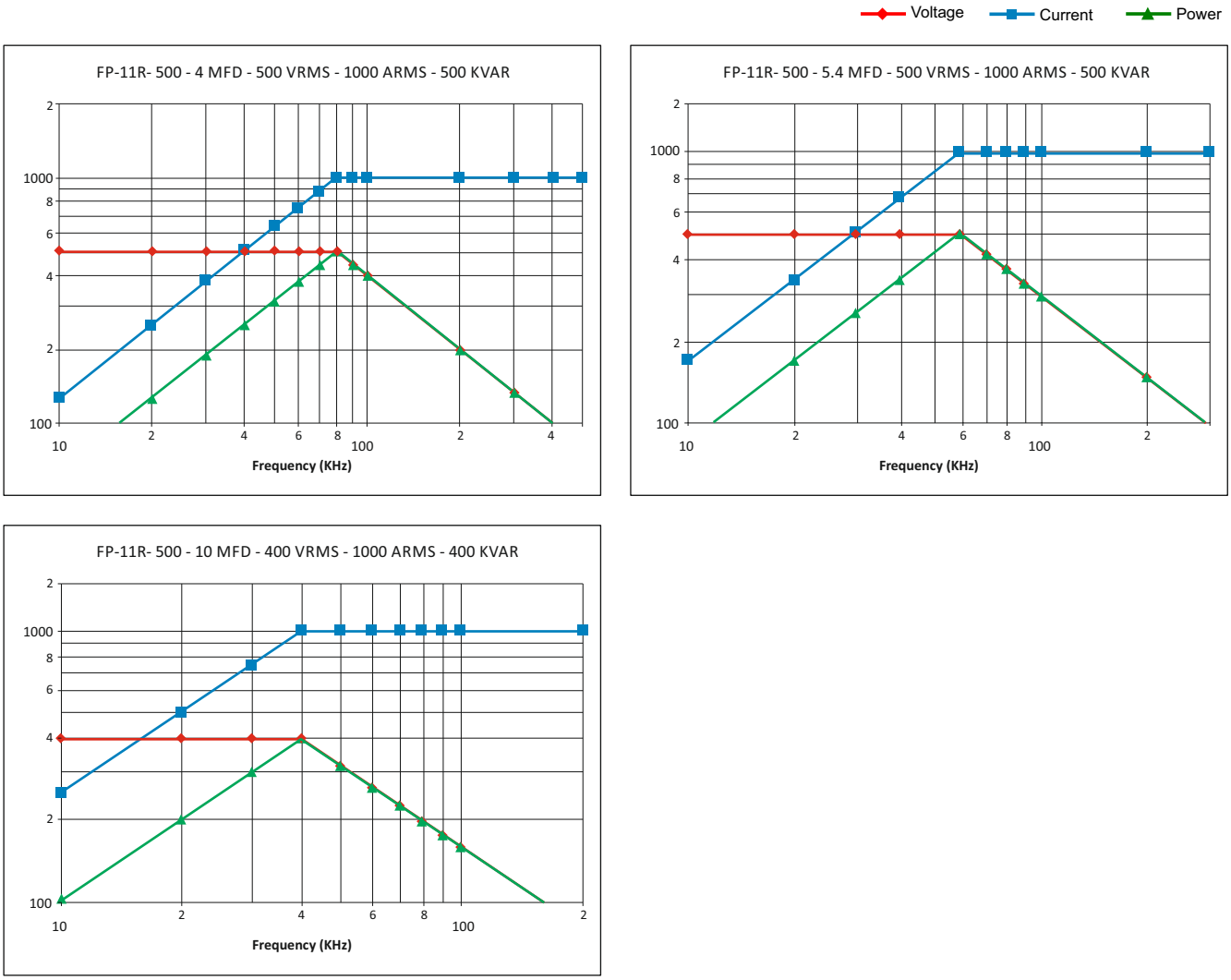
FP-11R-500

Frequency Derating



FP-11R-500

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.