FP-5X-200-2C

Highlights

- Conduction cooled
- Polypropylene dielectric
- Self-healing
- Operating frequency up to 1400 KHz
- Maximum operating core temperature 85°C
- Capacitance tolerance ±10%
- Flame retardant UL94 - V0, ROHS compliant

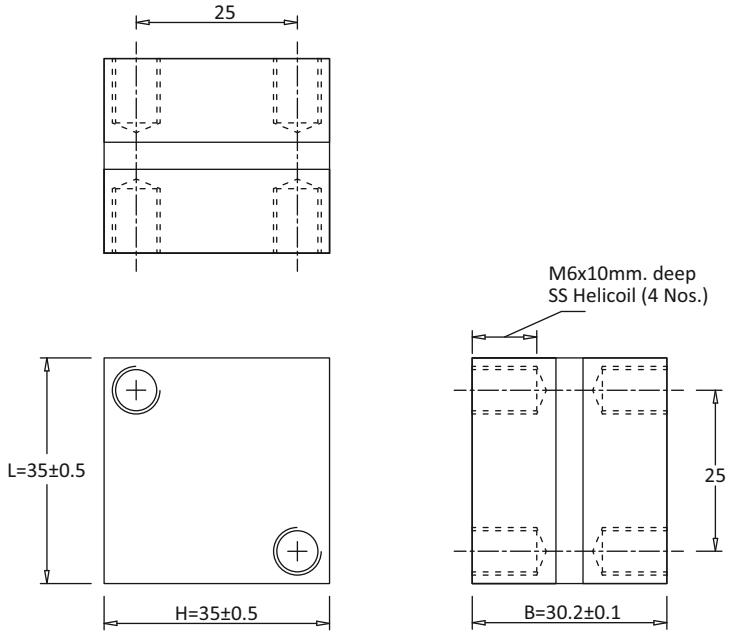


Standard Capacitor Values

Rated Voltage Vrms	Nominal Capacitance MFD at 1KHz	Max Current Irms	Max Power Kvar	Frequency KHz	ESR mΩ	Dimensions mm			Case Code	Terminal Style	Ordering Code
						B	H	L			
1100	0.025	200	180	948-1414	1.5	30.2	35	35	Z1	2C	SP0U0251100AU0Z1002CK01
1000	0.050	200	180	574-706	1.2	30.2	35	35	Z1	2C	SP0U0501000AU0Z1002CK01
	0.085	200	200	374	1.0	30.2	35	35	Z1	2C	SP0U0851000AU0Z1002CK01
900	0.100	250	200	394-501	0.9	30.2	35	35	Z1	2C	SP0U1000900AU0Z1002CK01
	0.170	250	200	232-294	0.8	30.2	35	35	Z1	2C	SP0U1700900AU0Z1002CK01
800	0.250	270	200	199-231	0.6	30.2	35	35	Z1	2C	SP0U2500800AU0Z1002CK01
700	0.330	300	200	197-217	0.4	30.2	35	35	Z1	2C	SP00U330700AU0Z1002CK01
600	0.660	350	200	134-148	0.4	30.2	35	35	Z1	2C	SP00U660600AU0Z1002CK01
500	1.200	400	200	106	0.4	30.2	35	35	Z1	2C	SP01U200500AU0Z1002CK01

Capacitor Drawing and Terminal Style

Terminal Style : 2C

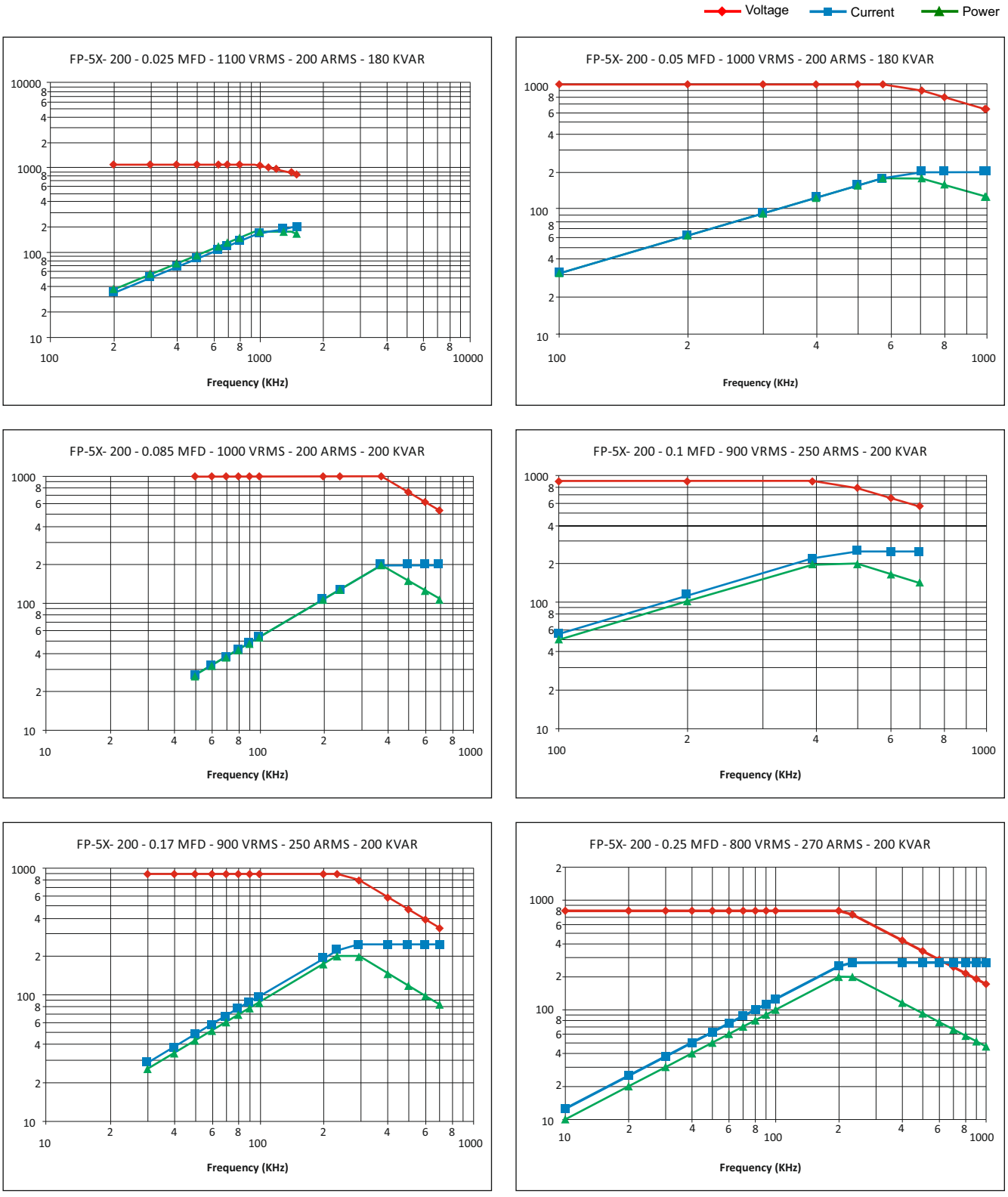


Dimensions in mm

Tightening torque 15Nm max.

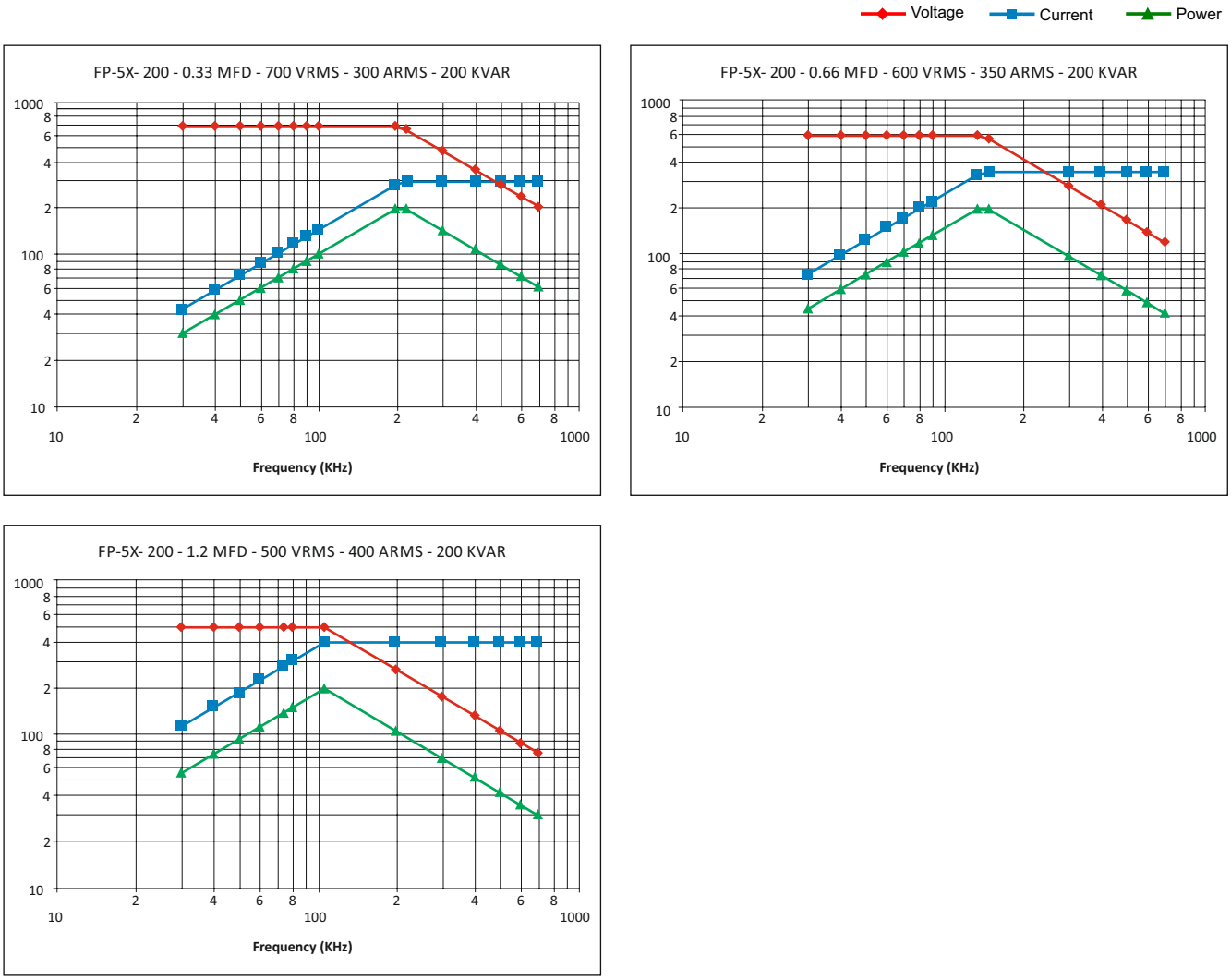
FP-5X-200-2C

Frequency Derating



FP-5X-200-2C

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.