FP-9-300

Highlights

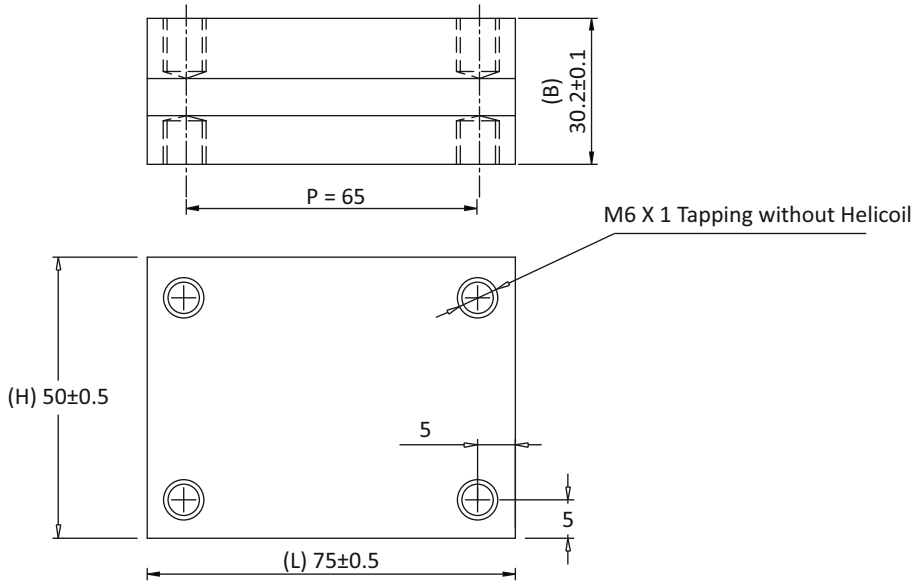
- Conduction cooled
- Polypropylene dielectric
- Self-healing
- Operating frequency up to 650 KHz
- Maximum operating core temperature 85°C
- Capacitance tolerance ±10%
- Flame retardant UL94 - V0, ROHS compliant

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			
1000	0.10	350	300	476-649	1.2	30.2	50	75	F1	4M	SP00U101000A10F1004MK01
	0.20	400	300	238-423	1.2	30.2	50	75	F1	4M	SP00U201000A10F1004MK01
700	0.33	500	300	295-401	1.0	30.2	50	75	F1	4M	SP00U330700A10F1004MK01
	0.66	500	300	147-200	0.8	30.2	50	75	F1	4M	SP00U660700A10F1004MK01
600	1.00	650	300	132-223	0.5	30.2	50	75	F1	4M	SP000010600A10F1004MK01
	1.32	650	300	100-170	0.3	30.2	50	75	F1	4M	SP01U320600A10F1004MK01
500	2.60	650	300	72-85	0.2	30.2	50	75	F1	4M	SP02U600500A10F1004MK01
400	5.00	800	300	59-67	0.1	30.2	50	75	F1	4M	SP000050400A10F1004MK01

Capacitor Drawing and Terminal Style

Terminal Style : 4M

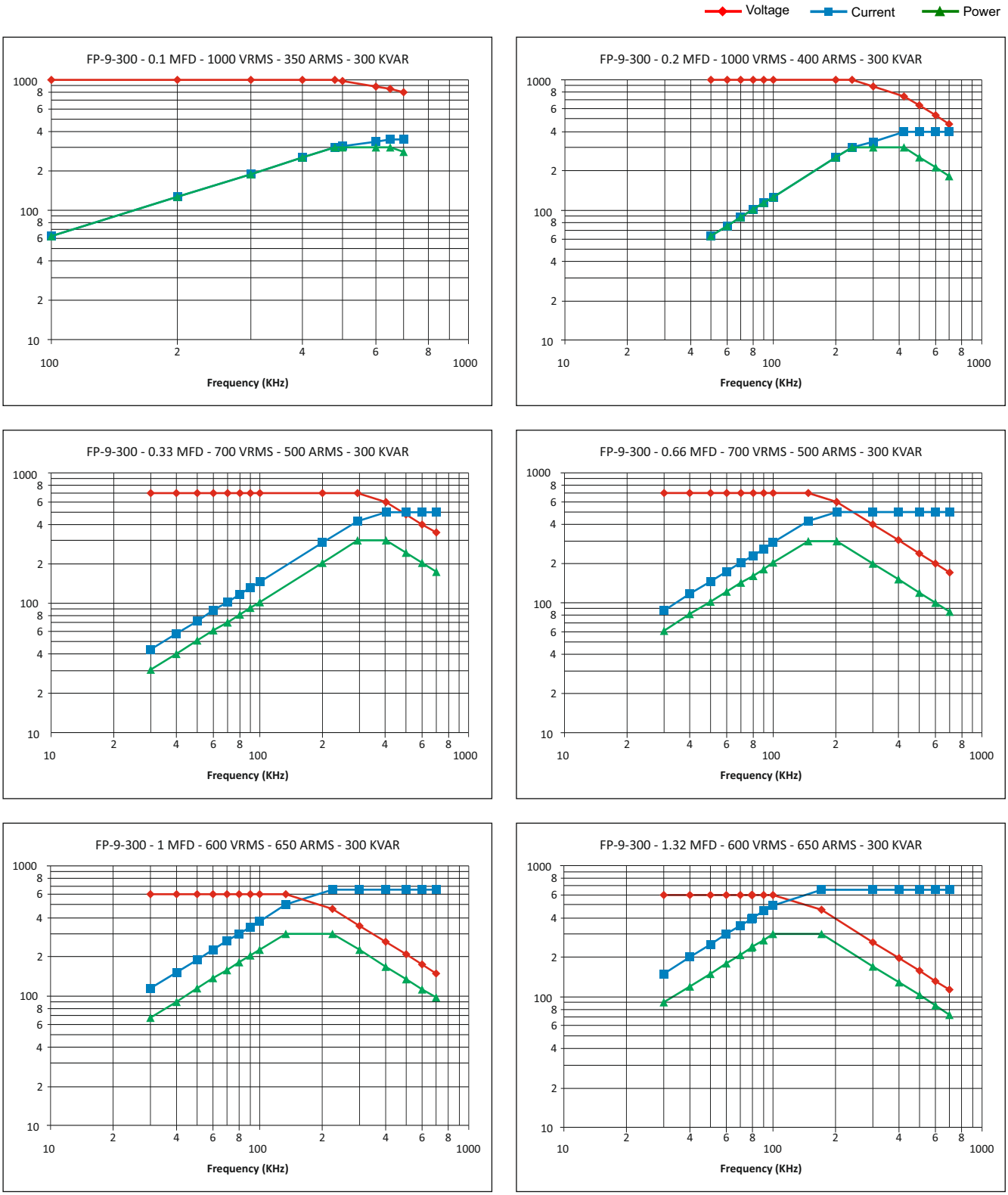


Dimensions in mm

Tightening torque 15Nm max.

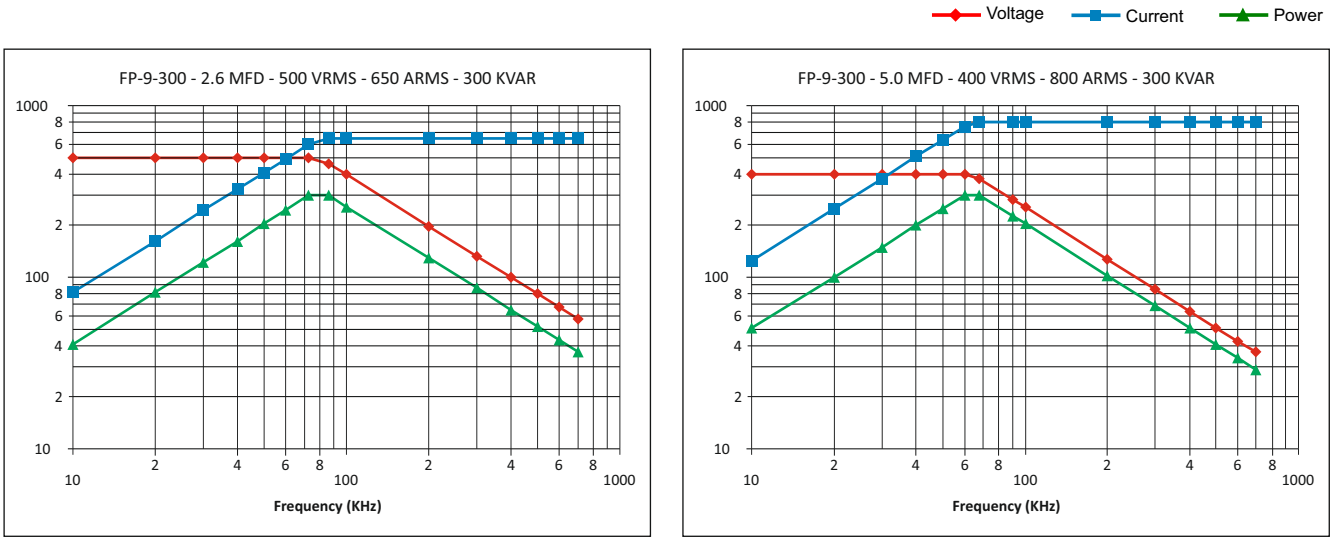
FP-9-300

Frequency Derating



FP-9-300

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.