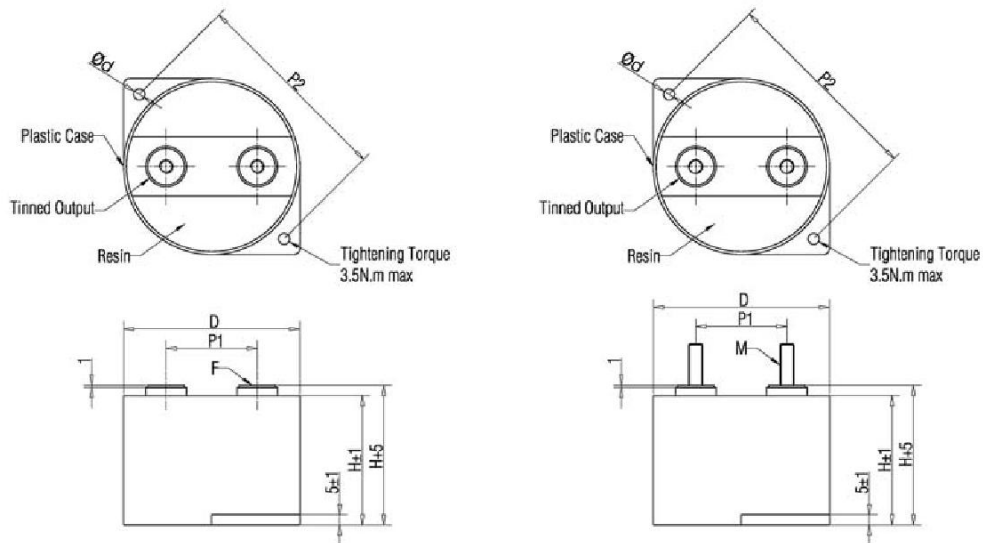


650	116	125	3.9	49	1.9	60	2.9	393	1.7	XDP-1100-650-F
680	86	225	4.1	69	1.8	60	1.8	411	1.6	XDP-1100-680-F
730	116	150	7.3	82	0.8	45	2.5	442	2.1	F



10.XDP Series – DC-link

XDF series / high current DC-Link



Case code	D (mm)	Output				P1 (mm)	P2 (mm)	d (mm)
		M	Torque	F	Torque			
A	87	M8*20	8.5 N.M Max	M6*8	4.5 N.M Max	45±1	101	5.5

GENERAL TECHNICAL CHARACTERISTICS

Reference standards : IEC 61071-60068
 Dielectric : Polypropylene film
 Construction : Extended metallized film, Dry construction, Non-inductive type
 Coating : Polyester tape wrapping, UL94V-0 resin end fill
 Leads: Threaded insert or bolt

ELECTRICAL CHARACTERISTICS

Operating temperature range : - 40 to + 85 °C (case)
 Capacitance : 6.8 to 220µF
 Rated Voltage : 600 to 2200 VDC
 Tolerance : ± 5% , ± 10%
 Dissipation factor: ≤2×10⁻³ Measured at 100 Hz and 25±5°C
 Life expectancy : 100,000 hours at Un and 70 °C (Hot-spot temperature)

TEST METHODS AND PERFORMANCES

Dielectric strength: 1.5×Un for 10s at 25°C
 Test voltage terminal to case : (1.5×Un+1000)Vac, Min 3000Vac 60s
 Insulation resistance : ≥ 5000 s , after 1 minute of electrification at 100Vdc (25±5°C)

Electrical specifications, ordering codes

Cap (µF)	D (mm)	H (mm)	Ls max. (nH)	du/dt (v/µs)	Irms@25°C @10kHz (A)	ESR@1.0k Hz(mΩ)	Rth (k/w)	Ordering Code
Un 600VDC Us 960V Ur175V								
100	87	41	25	40	80	0.8	6.8	XDF-600-100-&A
150	87	51	32	27	80	0.9	5.9	XDF-600-150-&A
220	87	65	40	18	75	1.1	5.0	XDF-600-220-&A
Un 700VDC Us 1050V Ur200V								
100	87	41	25	48	90	0.6	6.8	XDF-700-100-&A
150	87	51	32	32	90	0.7	5.9	XDF-700-150-&A
220	87	65	40	21	85	0.9	5.0	XDF-700-220-&A
Un 800VDC Us 1280V Ur225V								
68	87	41	25	56	75	0.9	6.8	XDF-800-68-&A
100	87	51	32	37	75	1.0	5.9	XDF-800-100-&A
140	87	65	40	25	70	1.3	5.0	XDF-800-140-&A

12.XDF Series – DC-link



XDF series / high current DC-Link

Electrical specifications, ordering codes

Cap (μ F)	D (mm)	H (mm)	Ls max. (nH)	du/dt (v/ μ s)	I _{rms} @25°C @10kHz (A)	ESR@1.0k Hz(m Ω)	R _{th} (k/w)	Ordering Code
			Un 900VDC			Us 1350V	Ur250V	
68	87	41	25	56	80	0.8	6.8	XDF-900-68-&A
100	87	51	32	37	80	0.9	5.9	XDF-900-100-&A
140	87	65	40	25	75	1.2	5.0	XDF-900-140-&A
			Un 1000VDC			Us 1600V	Ur275V	
47	87	41	25	73	70	1.0	6.8	XDF-1000-47-&A
68	87	51	32	49	70	1.2	5.9	XDF-1000-68-&A
100	87	65	40	33	65	1.5	5.0	XDF-1000-100-&A
			Un 1100VDC			Us 1650V	Ur300V	
47	87	41	25	73	75	0.9	6.8	XDF-1100-47-&A
68	87	51	32	49	75	1.1	5.9	XDF-1100-68-&A
100	87	65	40	33	70	1.4	5.0	XDF-1100-100-&A
			Un 1200VDC			Us 1920V	Ur325V	
25	87	41	25	90	60	1.2	6.8	XDF-1200-25-&A
35	87	51	32	70	60	1.5	5.9	XDF-1200-35-&A
50	87	65	40	50	55	2.0	5.0	XDF-1200-50-&A
			Un 1500VDC			Us 2400V	Ur350V	
18	87	41	25	113	55	1.2	6.8	XDF-1500-18-&A
25	87	51	32	85	55	1.7	5.9	XDF-1500-25-&A
35	87	65	40	60	50	2.2	5.0	XDF-1500-35-&A
			Un 1800VDC			Us 2880V	Ur400V	
10	87	41	25	175	50	1.5	6.8	XDF-1800-10-&A
15	87	51	32	120	50	2.0	5.9	XDF-1800-15-&A
22	87	65	40	80	45	2.5	5.0	XDF-1800-22-&A
			Un 2200VDC			Us 3520V	Ur450V	
6.8	87	41	25	200	50	1.7	6.8	XDF-2200-6.8-&A
10	87	51	32	150	50	2.3	5.9	XDF-2200-10-&A
15	87	65	40	100	45	2.9	5.0	XDF-2200-15-&A

XDF	-	700	-	100	-	&A
Series		Voltage		Capacitance		Dimension and terminal

& **M** Terminals code , M for lead screw

A Case code

13.XDF Series – DC-link