



GENERAL TECHNICAL CHARACTERISTICS

Reference standards : IEC 61071 60068-1
 Dielectric : Polypropylene film
 Construction : Extended metallized film, dry construction
 Coating : Aluminum case
 Leads : Threaded insert M6, bolt available

ELECTRICAL CHARACTERISTICS

Operating Temperature Range : - 40 to + 85 °C (case)
 Capacitance : 75 to 2750µF
 Rated Voltage : 900 to 2500VDC
 Tolerance : ± 5% , ± 10%
 Dissipation Factor: ≤3×10⁻³ 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: 1.5Un (DC) applied for 10s at 25±5°C
 Test voltage terminal to (1.5×Un+1000)Vac, Min 3000Vac, for 60 sec case :
 Insulation resistance : ≥10000 s, after 1 minute of electrification at 100Vdc (25±5°C)

D= 76, 86mm	D=116mm	D= 136mm
d= 14mm	d=14mm	d=16mm
P= 32mm	P= 50mm	P= 50mm

Electrical Specifications, Ordering Codes

Cap (µF)	D (mm)	H (mm)	Ipeak (KA)	Irms@45°C @10kHz (A)	ESR@1.0 kHz(mΩ)	Ls (nH)	Rth (°C/w)	Wn (Ws)	Weight (Kg)	Ordering Code
Un 900VDC ,Us 1350V.DC ,Ur 200V.AC										
370	76	125	3.3	60	1.2	40	3.7	150	0.75	XDP-900-370-FS
390	76	120	1.6	33	3.7	60	3.9	158	0.70	XDP-900-390-FS
450	76	145	3.2	61	1.3	45	3.2	182	0.85	XDP-900-450-FS
490	86	125	4.4	71	0.9	40	3.3	198	0.95	XDP-900-490-FS
520	86	120	2.1	40	2.9	60	3.5	211	0.90	XDP-900-520-FS
570	76	175	3.4	61	1.6	50	2.7	231	1.1	XDP-900-570-FS
600	86	145	4.2	72	1.1	45	2.9	243	1.1	XDP-900-600-FS
750	86	175	4.5	73	1.3	50	2.4	304	1.3	XDP-900-750-FS
780	76	225	3.1	63	2.0	60	2.0	316	1.3	XDP-900-780-FS
1000	116	125	4.0	53	1.6	60	2.9	405	1.7	XDP-900-1000-FS
1050	86	225	4.2	76	1.5	60	1.8	425	1.6	XDP-900-1050-FS
1100	116	150	7.7	88	0.7	45	2.5	446	2.1	XDP-900-1100-FS
1450	116	180	8.7	90	0.7	50	2.1	587	2.4	XDP-900-1450-FS
2000	116	230	8.0	92	0.9	60	1.7	810	3.0	XDP-900-2000-FS
2750	136	230	11.0	99	0.7	60	1.5	1114	4.1	XDP-900-2750-FS
Un 1100VDC ,Us 1650V.DC ,Ur 250V.AC										
250	76	120	1.5	30	4.6	60	3.9	151	0.70	XDP-1100-250-FS
330	86	120	2.0	36	3.6	60	3.5	200	0.90	XDP-1100-330-FS
370	86	130	1.9	36	3.8	60	3.2	224	0.95	XDP-1100-370-FS
400	86	145	4.0	67	1.2	45	2.9	242	1.1	XDP-1100-400-FS
420	86	155	4.2	69	1.2	45	2.7	254	1.2	XDP-1100-420-FS
500	86	175	4.0	67	1.5	50	2.4	303	1.3	XDP-1100-500-FS
650	116	125	3.9	49	1.9	60	2.9	393	1.7	XDP-1100-650-FS
680	86	225	4.1	69	1.8	60	1.8	411	1.6	XDP-1100-680-FS
730	116	150	7.3	82	0.8	45	2.5	442	2.1	XDP-1100-730-FS

Electrical Specifications, Ordering Codes

Cap (μ F)	D (mm)	H (mm)	Ipeak (KA)	Irms@45°C @10kHz(A)	ESR@1.0 kHz(m Ω)	Ls (nH)	Rth (°C/w)	Wn (Ws)	Weight (Kg)	Ordering Code
Un 1100VDC ,Us 1650V.DC,Ur 250V.AC										
900	136	125	5.4	54	1.4	60	2.5	545	2.3	XDP-1100-900-FS
920	116	180	7.4	82	0.9	50	2.1	557	2.4	XDP-1100-920-FS
1250	116	230	7.5	84	1.1	60	1.7	756	3.0	XDP-1100-1250-FS
1700	136	230	10.2	90	0.9	60	1.5	1029	4.2	XDP-1100-1700-FS
1900	136	260	15.2	120	0.5	50	1.3	1150	4.7	XDP-1100-1900-FS
2550	136	335	15.3	120	0.6	60	1.0	1543	6.0	XDP-1100-2550-FS
Un 1300VDC ,Us 1950V.DC ,Ur 300V.AC										
170	76	120	1.4	27	5.6	60	3.9	144	0.7	XDP-1300-170-FS
230	86	120	1.8	33	4.2	60	3.5	194	0.9	XDP-1300-230-FS
330	86	175	3.3	61	1.8	50	2.4	279	1.3	XDP-1300-330-FS
450	116	125	3.6	45	2.3	60	2.9	380	1.7	XDP-1300-450-FS
470	86	225	3.8	64	2.2	60	1.8	397	1.6	XDP-1300-470-FS
500	116	150	6.5	76	0.9	45	2.5	423	2.1	XDP-1300-500-FS
630	136	125	5.0	50	1.7	60	2.5	532	2.3	XDP-1300-630-FS
640	116	180	6.4	77	1.0	50	2.1	541	2.4	XDP-1300-640-FS
850	116	230	6.8	77	1.3	60	1.7	718	3.0	XDP-1300-850-FS
900	136	180	9.0	84	0.8	50	1.9	761	3.3	XDP-1300-900-FS
1200	136	230	9.6	84	1.0	60	1.5	1014	4.1	XDP-1300-1200-FS
1350	136	260	13.5	114	0.6	50	1.3	1141	4.6	XDP-1300-1350-FS
1800	136	335	14.4	119	0.7	60	1.0	1521	6.0	XDP-1300-1800-FS
Un 1900VDC ,Us 2850V.DC ,Ur 400V.AC										
75	76	120	1.1	22	8.4	60	3.9	135	0.7	XDP-1900-75-FS
100	86	120	1.4	27	6.3	60	3.5	181	0.9	XDP-1900-100-FS
150	86	175	2.9	51	2.6	50	2.4	271	1.3	XDP-1900-150-FS
190	116	125	2.7	36	3.4	60	2.9	343	1.7	XDP-1900-190-FS
200	86	225	2.8	52	3.3	60	1.8	361	1.7	XDP-1900-200-FS
220	116	150	5.5	65	1.2	45	2.5	397	2.1	XDP-1900-220-FS
275	136	125	3.9	41	2.4	60	2.5	496	2.3	XDP-1900-275-FS
280	116	180	5.3	64	1.5	50	2.1	505	2.4	XDP-1900-280-FS
380	116	230	5.3	65	1.8	60	1.7	686	3.0	XDP-1900-380-FS
400	136	180	7.6	71	1.1	50	1.9	722	3.3	XDP-1900-400-FS
540	136	230	7.6	72	1.3	60	1.5	975	4.1	XDP-1900-540-FS
600	136	260	11.4	99	0.8	50	1.3	1083	4.6	XDP-1900-600-FS
800	136	335	11.2	102	1.0	60	1.0	1444	6.0	XDP-1900-800-FS
Un 2500VDC ,Us 3750V.DC ,Ur 600V.AC										
95	116	130	1.5	43	2.5	40	2.8	297	1.8	XDP-2500-95-FS
130	136	130	2.1	47	1.9	40	2.4	406	2.5	XDP-2500-130-FS
200	116	230	1.6	42	4.4	60	1.7	625	3.0	XDP-2500-200-FS
280	136	230	2.2	46	3.2	60	1.5	875	4.1	XDP-2500-280-FS
Un 3600VDC ,Us 5400V.DC ,Ur 800V.AC										
42	116	130	1.3	40	3.7	40	2.8	272	1.8	XDP-3600-42-FS
60	136	130	1.8	45	2.7	40	2.4	389	2.5	XDP-3600-60-FS
88	116	230	1.2	40	6.6	60	1.7	570	3.0	XDP-3600-88-FS
125	136	230	1.8	43	4.7	60	1.5	810	4.1	XDP-3600-125-FS
Un 4000VDC,Us 6000V.DC ,Ur 900V.AC										
33	116	130	1.2	38	4.2	40	2.8	264	1.8	XDP-4000-33-FS
47	136	130	1.6	42	3.0	40	2.4	376	2.5	XDP-4000-47-FS
70	116	230	1.2	37	7.4	60	1.7	560	3.0	XDP-4000-70-FS
100	136	230	1.7	41	5.3	60	1.5	800	4.1	XDP-4000-100-FS

XDP Series / DC-Link Applications

XLCO

XDP -	1300 -	470 -	F S
Series	Voltage	Capacitance	Dimension and terminal

F	M	Terminal code, F for insert thread M for lead screw
S		Mounting Code,stud