



GENERAL TECHNICAL CHARACTERISTICS

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

ELECTRICAL CHARACTERISTICS

Operating temperature - 40 to + 85 °C (case)
 range :
 Capacitance : 80 to 1000µF
 Rated Voltage : 800 to 2400 VDC
 Tolerance : ± 5% , ± 10%
 Dissipation factor: ≤2×10⁻³ Measured at 100Hz 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)

Electrical specifications, ordering codes

Cap (µF)	D (mm)	H (mm)	P (mm)	Irms@25°C @10kHz (A)	ESR@1.0kHz (mΩ)	RTH (k/w)	Weight (kg)	Ordering Code
				Un 800VDC	Us 1200V	Ur200V		
430	76	120	32	40	4.3	3.9	0.65	XDK-800-430-FS
550	86	120	32	46	3.7	3.5	0.85	XDK-800-550-FS
800	76	225	32	67	2.9	2.0	1.25	XDK-800-800-FS
1000	86	225	32	76	2.6	1.8	1.50	XDK-800-1000-FS
				Un 1000VDC	Us 1500V	Ur250V		
275	76	120	32	37	5.0	3.9	0.65	XDK-1000-275-FS
350	86	120	32	43	4.2	3.5	0.85	XDK-1000-350-FS
500	76	225	32	63	3.3	2.0	1.25	XDK-1000-500-FS
680	86	225	32	73	2.8	1.8	1.50	XDK-1000-680-FS
				Un 1200VDC	Us 1800V	Ur300V		
200	76	120	32	35	5.5	3.9	0.65	XDK-1200-200-FS
250	86	120	32	41	4.7	3.5	0.85	XDK-1200-250-FS
370	76	225	32	61	3.6	2.0	1.25	XDK-1200-370-FS
470	86	225	32	69	3.1	1.8	1.50	XDK-1200-470-FS
				Un 1400VDC	Us 2100V	Ur330V		
140	76	120	32	33	6.5	3.9	0.65	XDK-1400-140-FS
180	86	120	32	38	5.3	3.5	0.85	XDK-1400-180-FS
270	76	225	32	58	4.0	2.0	1.25	XDK-1400-270-FS
350	86	225	32	66	3.4	1.8	1.50	XDK-1400-350-FS
				Un 1600VDC	Us 2400V	Ur350V		
100	76	120	32	30	7.7	3.9	0.65	XDK-1600-100-FS
140	86	120	32	36	5.9	3.5	0.85	XDK-1600-140-FS
200	76	225	32	54	4.5	2.0	1.25	XDK-1600-200-FS
270	86	225	32	64	3.7	1.8	1.50	XDK-1600-270-FS
				Un 1800VDC	Us 2700V	Ur400V		
80	76	120	32	29	8.4	3.9	0.65	XDK-1800-80-FS
110	86	120	32	35	6.4	3.5	0.85	XDK-1800-110-FS

8. XDK Series – DC-link



XDK series / DC-Link applications

Electrical specifications, ordering codes

Cap (μ F)	D (mm)	H (mm)	P (mm)	I _{rms} @25°C @10kHz (A)	ESR@1.0kHz (m Ω)	RTH (k/w)	Weight (kg)	Ordering Code
				Un 1800VDC	Us 2700V	Ur400V		
160	76	225	32	52	4.8	2.0	1.25	XDK-1800-160-FS
200	86	225	32	60	4.1	1.8	1.50	XDK-1800-200-FS
				Un 2000VDC	Us 3000V	Ur450V		
130	76	225	32	36	10.4	2.0	1.25	XDK-2000-130-FS
170	86	225	32	42	8.6	1.8	1.50	XDK-2000-170-FS
				Un 2400VDC	Us 3600V	Ur500V		
90	76	225	32	33	12.0	2.0	1.25	XDK-2400-90-FS
120	86	225	32	39	9.7	1.8	1.50	XDK-2400-120-FS

XDK -	1200 -	470 -	F S
Series	Voltage	Capacitance	Dimension and terminal

F **M** Terminals code, F for insert thread M
for Lead screw

S Bold code, stud mounting

9.XDK Series – DC-link