

GENERAL TECHNICAL CHARACTERISTICS

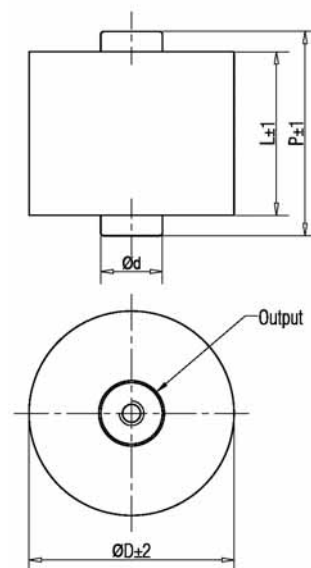
Reference standards :	IEC 61071-60068
Dielectric :	Polypropylene film
Construction :	Extended metallized film with internal series connection Dry construction, Non-inductive type
Coating :	Polyester tape wrapping, UL94V-0 resin end fill
Leads:	Threaded insert M6 or M8 filled with resin

ELECTRICAL CHARACTERISTICS

Operating temperature range:	- 40 to + 85 °C (case)
Capacitance :	0.068 to 3.0 μ F
Rated Voltage :	4k to 20k VDC
Tolerance :	$\pm 5\%$, $\pm 10\%$
Dissipation factor:	$\leq 8 \times 10^{-4}$ Measured at 1000 ± 20 Hz and 25 $\pm 5^\circ$ 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 $\pm 5^\circ$ C
Test voltage terminal to case :	3kVAC/50Hz for 60s
Insulation resistance :	30000s but need not exceed 30G Ω (typical value), after 1 minute of electrification at 100Vdc (25 $\pm 5^\circ$ C)



ORDERING CODE

Please refer to Page 8, item D

M6*8	M8*8
d= 15mm	d= 18mm

Electrical specifications, ordering codes

Ordering Code	Cap	Dimension (mm)				ESR @10kHz (mΩ)	Ls (nH)	du/dt (v/μs)	Ipeak (A)	Urms (VAC)
	(μF)	L	D	Output	P					
Un 4000VDC , Us 6000V										
SDD-4000-0.68-50F6	0.68	50	50	M6*8	61	2.1	25	1010	687	1600
SDD-4000-0.75-50F6	0.75	50	52	M6*8	61	1.9	25	1010	758	1600
SDD-4000-1.0-50F8	1.0	50	60	M8*8	61	1.5	25	1010	1010	1600
SDD-4000-1.25-50F8	1.25	50	67	M8*8	61	1.3	25	1010	1263	1600
SDD-4000-1.5-50F8	1.5	50	73	M8*8	61	1.1	25	1010	1515	1600
SDD-4000-2.0-50F8	2.0	50	84	M8*8	61	0.9	25	1010	2020	1600
SDD-4000-2.5-50F8	2.5	50	93	M8*8	61	0.8	25	1010	2525	1600
SDD-4000-0.68-64F6	0.68	64	38	M6*8	76	4.0	25	770	524	1500
SDD-4000-1.0-64F6	1.0	64	45	M6*8	76	3.0	25	770	770	1500
SDD-4000-1.5-64F6	1.5	64	55	M6*8	76	2.5	25	770	1155	1500
SDD-4000-2.0-64F8	2.0	64	63	M8*8	76	2.0	25	770	1540	1500
SDD-4000-2.5-64F8	2.5	64	70	M8*8	76	1.8	25	770	1925	1500
SDD-4000-3.0-64F8	3.0	64	76	M8*8	76	1.6	25	770	2310	1500
Un 5000VDC , Us 7500V										
SDD-5000-0.50-50F6	0.50	50	53	M6*8	61	2.2	25	1130	565	2000
SDD-5000-0.68-50F8	0.68	50	62	M8*8	61	1.7	25	1130	768	2000
SDD-5000-0.75-50F8	0.75	50	65	M8*8	61	1.6	25	1130	848	2000
SDD-5000-1.0-50F8	1.0	50	74	M8*8	61	1.3	25	1130	1130	2000
SDD-5000-1.25-50F8	1.25	50	83	M8*8	61	1.1	25	1130	1413	2000
SDD-5000-1.5-50F8	1.5	50	90	M8*8	61	0.9	25	1130	1695	2000
SDD-5000-2.0-50F8	2.0	50	102	M8*8	61	0.8	25	1130	2260	2000
Un 6000VDC , Us 9000V										
SDD-6000-0.50-64F6	0.50	64	52	M6*8	77	2.7	25	1240	620	2400
SDD-6000-0.68-64F8	0.68	64	61	M8*8	77	2.1	25	1240	843	2400
SDD-6000-0.75-64F8	0.75	64	64	M8*8	77	1.9	25	1240	930	2400
SDD-6000-1.0-64F8	1.0	64	73	M8*8	77	1.5	25	1240	1240	2400
SDD-6000-1.25-64F8	1.25	64	81	M8*8	77	1.3	25	1240	1550	2400
SDD-6000-1.5-64F8	1.5	64	89	M8*8	77	1.1	25	1240	1860	2400
SDD-6000-2.0-64F8	2.0	64	100	M8*8	77	0.9	25	1240	2480	2400

Electrical specifications, ordering codes

Ordering Code	Cap (μF)	Dimension (mm)				ESR @10kHz (mΩ)	Ls (nH)	du/dt (v/μs)	Ipeak (A)	Urms (VAC)
		L	D	Output	P					
Un 6000VDC , Us 9000V										
SDD-6000-0.50-90F6	0.50	90	40	M6*8	100	5.0	25	950	475	2250
SDD-6000-0.68-90F6	0.68	90	46	M6*8	100	3.8	25	950	646	2250
SDD-6000-1.0-90F6	1.0	90	55	M6*8	100	2.7	25	950	950	2250
SDD-6000-1.5-90F8	1.5	90	66	M8*8	100	1.9	25	950	1425	2250
SDD-6000-2.0-90F8	2.0	90	76	M8*8	100	1.5	25	950	1900	2250
SDD-6000-2.2-90F8	2.2	90	80	M8*8	100	1.4	25	950	2090	2250
Un 8000VDC , Us 12000V										
SDD-8000-0.33-80F6	0.33	80	49	M6*8	93	4.0	25	1430	472	3200
SDD-8000-0.50-80F8	0.50	80	60	M8*8	93	2.7	25	1430	715	3200
SDD-8000-0.68-80F8	0.68	80	70	M8*8	93	2.1	25	1430	972	3200
SDD-8000-0.75-80F8	0.75	80	73	M8*8	93	1.9	25	1430	1073	3200
SDD-8000-1.0-80F8	1.0	80	84	M8*8	93	1.5	25	1430	1430	3200
SDD-8000-1.25-80F8	1.25	80	93	M8*8	93	1.3	25	1430	1788	3200
SDD-8000-1.5-80F8	1.5	80	102	M8*8	93	1.1	25	1430	2145	3200
SDD-8000-0.33-114F5	0.33	114	38	M5*8	124	7.4	25	1100	363	3000
SDD-8000-0.50-114F6	0.50	114	45	M6*8	124	5.0	25	1100	550	3000
SDD-8000-0.68-114F6	0.68	114	52	M6*8	124	3.8	25	1100	748	3000
SDD-8000-0.82-114F6	0.82	114	57	M6*8	124	3.2	25	1100	902	3000
SDD-8000-1.0-114F8	1.0	114	63	M8*8	124	2.7	25	1100	1100	3000
SDD-8000-1.5-114F8	1.5	114	76	M8*8	124	1.9	25	1100	1650	3000
Un 10000VDC , Us 15000V										
SDD-10000-0.33-98F6	0.33	98	55	M6*8	109	4.0	25	1600	528	4000
SDD-10000-0.50-98F8	0.50	98	67	M8*8	109	2.7	25	1600	800	4000
SDD-10000-0.68-98F8	0.68	98	77	M8*8	109	2.1	25	1600	1088	4000
SDD-10000-0.75-98F8	0.75	98	81	M8*8	109	1.9	25	1600	1200	4000
SDD-10000-1.0-98F8	1.0	98	93	M8*8	109	1.5	25	1600	1600	4000
SDD-10000-1.25-98F8	1.25	98	104	M8*8	109	1.3	25	1600	2000	4000
SDD-10000-0.33-140F6	0.33	140	41	M6*8	148	7.4	25	1220	403	3750
SDD-10000-0.50-140F6	0.50	140	50	M6*8	148	5.0	25	1220	610	3750
SDD-10000-0.68-140F6	0.68	140	58	M6*8	148	3.8	25	1220	830	3750
SDD-10000-0.82-140F8	0.82	140	64	M8*8	148	3.2	25	1220	1000	3750
SDD-10000-1.0-140F8	1.0	140	70	M8*8	148	2.7	25	1220	1220	3750
SDD-10000-1.2-140F8	1.2	140	76	M8*8	148	2.3	25	1220	1464	3750
Un 12000VDC , Us 18000V										
SDD-12000-0.22-114F6	0.22	114	49	M6*8	125	5.8	25	1750	385	4800
SDD-12000-0.33-114F8	0.33	114	60	M8*8	125	4.0	25	1750	578	4800
SDD-12000-0.50-114F8	0.50	114	73	M8*8	125	2.7	25	1750	875	4800
SDD-12000-0.68-114F8	0.68	114	84	M8*8	125	2.1	25	1750	1190	4800
SDD-12000-0.75-114F8	0.75	114	89	M8*8	125	1.9	25	1750	1313	4800
SDD-12000-1.0-114F8	1.0	114	102	M8*8	125	1.5	25	1750	1750	4800
Un 14000Vdc , Us 21000V										
SDD-14000-0.15-130F6	0.15	130	45	M6*8	141	8.3	25	1890	284	5600
SDD-14000-0.22-130F6	0.22	130	53	M6*8	141	5.8	25	1890	416	5600
SDD-14000-0.33-130F8	0.33	130	64	M8*8	141	4.0	25	1890	624	5600
SDD-14000-0.50-130F8	0.50	130	79	M8*8	141	2.7	25	1890	945	5600
Un 20000VDC , Us 30000V										
SDD-20000-0.068-130F6	0.068	130	45	M6*8	141	12.0	25	2320	158	6500
SDD-20000-0.10-130F6	0.10	130	54	M6*8	141	8.3	25	2320	232	6500
SDD-20000-0.15-130F8	0.15	130	65	M8*8	141	5.7	25	2320	348	6500
SDD-20000-0.22-130F8	0.22	130	79	M8*8	141	4.0	25	2320	510	6500