

GENERAL TECHNICAL CHARACTERISTICS 技术特性

Reference standards 参考标准	IEC 61071, IEC 60068
Dielectric 介质材料	Polypropylene film
Construction 封装结构	Extended metallized film
Case 外壳材料	Polyester tape wrapping, UL94 V-0 material filling
Leads 引出端	Tinned copper wire

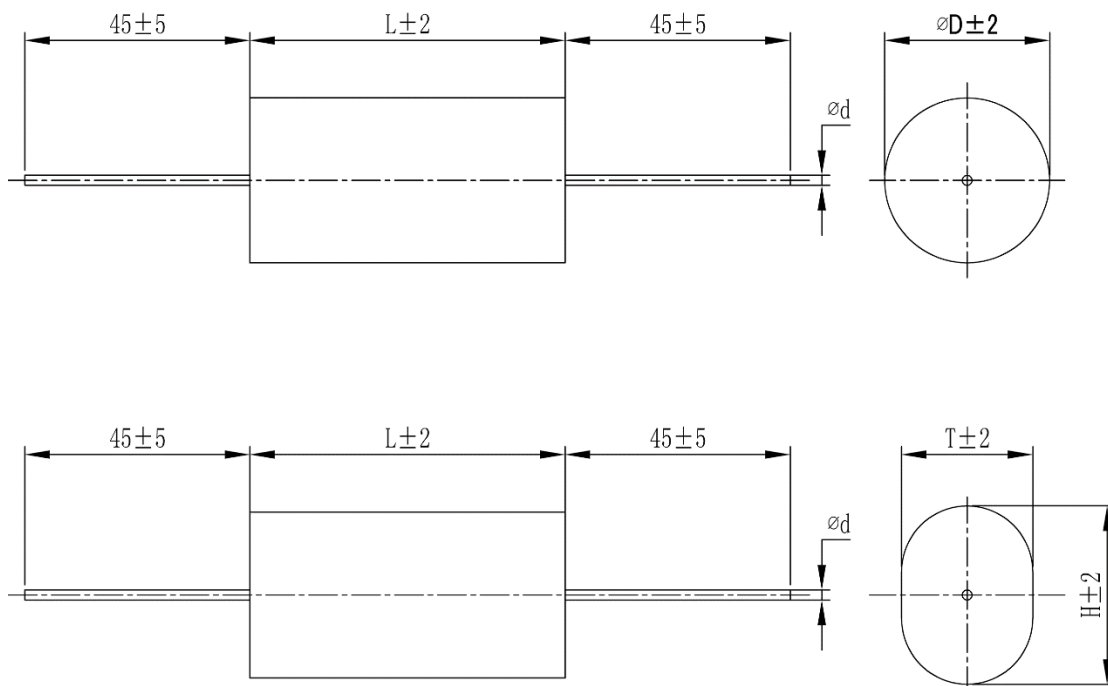
ELECTRICAL CHARACTERISTICS 电气特性

Operating temperature 工作温度范围	- 40 to + 85 °C
Capacitance range 容量范围	0.15 to 60 µF
Rated voltage range 额定电压	250 to 850 Vdc
Capacitance tolerance 容量偏差	± 5%, ± 10%
Dissipation factor 损耗角正切	≤5.0×10 ⁻⁴ Measured at 1000 Hz and 20±5°C
Life expectancy 预期寿命	100,000 hours at U _{NDC} and 70 °C (Hot-spot temperature)

TEST METHODS AND PERFORMANCES 测试方法

Dielectric strength 介质强度	1.5×U _{NDC} applied to 10s at 20±5 °C
Test voltage terminal to case 端壳耐压	3KVAC/50Hz for 10s
Insulation resistance(IR*C _N) 绝缘电阻	30000s but need not exceed 30GΩ, after 1 minute of electrification at 100VDC (20±5°C)

OUTLINE DRAWING 外形图



HOW TO ORDER:

K8H	401D	335	K	R	44	N	2	***
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Shape:	Length:	Leads:	Style:	Internal code
K8H:	101D: 100Vdc	105: 1.0µF	J: ± 5%,	R: Round	L=44mm	N: Tinned	2: 2 leads	code
ASH Series		104: 0.1µF	K: ± 10%	F: Flat		copper wire		

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Cap (μF)	Dimension					Du/dt (v/μs)	Ipeak (A)	Imax @ 60°C @10KHz (A)	ESR @100KHz (mΩ)
		flat, oval								
		L	D	T	H	d				
U_{NDC} 250Vdc, Urms 160Vac, Us 400Vdc										
K8H251D205K#32N2***	2.0	32.0	11.8	7.7	14.1	0.8	40	80	5	17.2
K8H251D225K#32N2***	2.2	32.0	12.3	8.1	14.5	0.8	40	88	6	15.7
K8H251D255K#32N2***	2.5	32.0	12.9	8.8	15.2	0.8	40	100	7	13.9
K8H251D305K#32N2***	3.0	32.0	14.0	9.8	16.2	0.8	40	120	7	11.7
K8H251D335K#32N2***	3.3	32.0	14.5	10.4	16.8	0.8	40	132	7	10.7
K8H251D405K#32N2***	4.0	32.0	15.8	11.0	19.0	1.0	40	160	9	8.9
K8H251D475K#32N2***	4.7	32.0	17.0	12.1	20.1	1.0	40	188	9	7.7
K8H251D505K#32N2***	5.0	32.0	17.5	12.6	20.6	1.0	40	200	9	7.3
K8H251D685K#32N2***	6.8	32.0	20.1	15.2	23.2	1.0	40	272	9	5.5
K8H251D106K#32N2***	10	32.0	24.0	19.0	27.0	1.0	40	400	9	3.9
K8H251D106K#44N2***	10	44.0	19.9	15.0	23.0	1.0	25	250	9	6.9
K8H251D156K#44N2***	15	44.0	24.0	19.0	27.0	1.2	25	375	12	4.8
K8H251D206K#44N2***	20	44.0	27.5	20.9	32.1	1.2	25	500	12	3.7
K8H251D226K#44N2***	22	44.0	28.7	22.2	33.4	1.2	25	550	12	3.4
K8H251D256K#44N2***	25	44.0	30.5	24.0	35.2	1.2	25	625	12	3.1
K8H251D306K#44N2***	30	44.0	33.3	26.7	37.9	1.2	25	750	12	2.7
K8H251D306K#57N2***	30	57.0	27.5	20.9	32.1	1.2	15	450	12	4.8
K8H251D336K#57N2***	33	57.0	28.7	22.2	33.4	1.2	15	495	12	4.4
K8H251D406K#57N2***	40	57.0	31.5	24.9	36.1	1.2	15	600	12	3.7
K8H251D506K#57N2***	50	57.0	35.1	28.4	39.6	1.2	15	750	12	3.1
K8H251D606K#57N2***	60	57.0	38.3	31.6	42.8	1.2	15	900	12	2.6
U_{NDC} 330Vdc, Urms 200Vac, Us 500Vdc										
K8H331D155K#32N2***	1.5	32.0	12.6	8.5	14.9	0.8	45	68	6	18.2
K8H331D205K#32N2***	2.0	32.0	14.3	10.1	16.5	0.8	45	90	7	13.8
K8H331D225K#32N2***	2.2	32.0	14.8	10.7	17.1	0.8	45	99	7	12.7
K8H331D255K#32N2***	2.5	32.0	15.7	10.9	18.9	1.0	45	113	8	11.2
K8H331D305K#32N2***	3.0	32.0	17.0	12.1	20.1	1.0	45	135	9	9.5
K8H331D335K#32N2***	3.3	32.0	17.7	12.9	20.9	1.0	45	149	9	8.7
K8H331D405K#32N2***	4.0	32.0	19.4	14.5	22.5	1.0	45	180	9	7.3
K8H331D475K#32N2***	4.7	32.0	20.8	15.9	23.9	1.0	45	212	9	6.3
K8H331D475K#44N2***	4.7	44.0	17.3	12.5	20.5	1.0	30	141	9	11.4
K8H331D505K#32N2***	5.0	32.0	21.4	16.5	24.5	1.0	45	225	9	5.9
K8H331D505K#44N2***	5.0	44.0	17.8	12.9	20.9	1.0	30	150	9	10.7
K8H331D685K#44N2***	6.8	44.0	20.5	15.6	23.6	1.2	30	204	9	8.0
K8H331D106K#44N2***	10	44.0	24.5	19.6	27.6	1.2	30	300	12	5.7
K8H331D126K#44N2***	12	44.0	26.7	20.2	31.4	1.2	30	360	12	4.8
K8H331D156K#44N2***	15	44.0	29.7	23.1	34.3	1.2	30	450	12	4.0
K8H331D156K#57N2***	15	57.0	24.5	19.6	27.6	1.2	20	300	12	7.3
K8H331D206K#57N2***	20	57.0	28.1	21.5	32.7	1.2	20	400	12	5.6
K8H331D226K#57N2***	22	57.0	29.4	22.8	34.0	1.2	20	440	12	5.1
K8H331D256K#57N2***	25	57.0	31.2	24.6	35.8	1.2	20	500	12	4.6
K8H331D306K#57N2***	30	57.0	34.0	27.4	38.6	1.2	20	600	12	3.9
K8H331D336K#57N2***	33	57.0	35.6	29.0	40.2	1.2	20	660	12	3.6
K8H331D356K#57N2***	35	57.0	36.7	30.0	41.2	1.2	20	700	12	3.4
K8H331D406K#57N2***	40	57.0	39.1	32.4	43.6	1.2	20	800	12	3.1
U_{NDC} 400Vdc, Urms 250Vac, Us 600Vdc										
K8H401D684K#32N2***	0.68	32.0	10.7	6.6	13.0	0.8	55	37	5.5	32.2
K8H401D105K#32N2***	1.0	32.0	12.5	8.3	14.7	0.8	55	55	6	22.4
K8H401D155K#32N2***	1.5	32.0	14.8	10.6	17.0	0.8	55	83	7	15.2
K8H401D205K#32N2***	2.0	32.0	16.8	11.9	19.9	1.0	55	110	9	11.6

Remark: 1. # Shape; *** Internal code.

2. Customization for special specification and requirement is available.

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Cap (μF)	Dimension					Du/dt (v/μs)	Ipeak (A)	Imax @ 60°C @10KHz (A)	ESR @100KHz (mΩ)
		L	D	flat, oval		d				
				T	H					
U_{NDC} 400Vdc, Urms 250Vac, Us 600Vdc										
K8H401D225K#32N2***	2.2	32.0	17.5	12.6	20.6	1.0	55	121	9	10.6
K8H401D255K#32N2***	2.5	32.0	18.5	13.6	21.6	1.0	55	138	9	9.4
K8H401D305K#32N2***	3.0	32.0	20.1	15.2	23.2	1.0	55	165	9	8.0
K8H401D335K#32N2***	3.3	32.0	21.0	16.1	24.1	1.0	55	182	9	7.3
K8H401D335K#44N2***	3.3	44.0	17.5	12.6	20.6	1.0	40	132	9	13.3
K8H401D405K#32N2***	4.0	32.0	22.9	18.0	26.0	1.0	55	220	9	6.1
K8H401D405K#44N2***	4.0	44.0	19.1	14.2	22.2	1.0	40	160	9	11.1
K8H401D475K#44N2***	4.7	44.0	20.5	15.6	23.6	1.0	40	188	9	9.5
K8H401D505K#44N2***	5.0	44.0	21.1	16.2	24.2	1.2	40	200	11	9.0
K8H401D685K#44N2***	6.8	44.0	24.3	19.4	27.4	1.2	40	272	11	6.8
K8H401D106K#44N2***	10	44.0	29.2	22.6	33.8	1.2	40	400	12	4.8
K8H401D106K#57N2***	10	57.0	24.1	19.1	27.1	1.2	25	250	11	8.9
K8H401D156K#57N2***	15	57.0	29.2	22.6	33.8	1.2	25	375	12	6.1
K8H401D206K#57N2***	20	57.0	33.4	26.8	38.0	1.2	25	500	12	4.7
K8H401D226K#57N2***	22	57.0	35.0	28.3	39.5	1.2	25	550	12	4.4
K8H401D256K#57N2***	25	57.0	37.2	30.5	41.7	1.2	25	625	12	3.9
U_{NDC} 600Vdc, Urms 330Vac, Us 800Vdc										
K8H601D474K#32N2***	0.47	32.0	11.7	7.6	14.0	0.8	75	35	5	34.5
K8H601D684K#32N2***	0.68	32.0	13.6	9.4	15.8	0.8	75	51	6	24.3
K8H601D105K#32N2***	1.0	32.0	16.0	11.9	18.3	0.8	75	75	8	16.9
K8H601D155K#32N2***	1.5	32.0	19.2	15.0	21.4	1.0	75	113	9	11.6
K8H601D205K#32N2***	2.0	32.0	21.8	17.7	24.1	1.0	75	150	9	8.9
K8H601D205K#44N2***	2.0	44.0	17.0	13.0	18.9	1.0	55	110	9	16.2
K8H601D225K#32N2***	2.2	32.0	22.8	18.7	25.1	1.0	75	165	9	8.1
K8H601D225K#44N2***	2.2	44.0	17.7	13.7	19.6	1.0	55	121	9	14.8
K8H601D255K#44N2***	2.5	44.0	18.8	14.0	21.5	1.0	55	138	9	13.1
K8H601D305K#44N2***	3.0	44.0	20.4	15.6	23.1	1.0	55	165	9	11.0
K8H601D335K#44N2***	3.3	44.0	21.3	16.5	24.0	1.0	55	182	9	10.1
K8H601D405K#44N2***	4.0	44.0	23.3	18.5	26.0	1.0	55	220	12	9.6
K8H601D475K#44N2***	4.7	44.0	25.1	20.3	27.8	1.2	55	259	12	8.5
K8H601D475K#57N2***	4.7	57.0	22.3	17.3	25.3	1.2	40	188	11	7.3
K8H601D505K#44N2***	5.0	44.0	26.0	21.1	28.6	1.2	55	275	12	13.8
K8H601D505K#57N2***	5.0	57.0	22.9	18.0	26.0	1.2	40	200	11	6.9
K8H601D685K#57N2***	6.8	57.0	26.4	21.5	29.5	1.2	40	272	11	13.0
K8H601D106K#57N2***	10	57.0	31.7	25.1	36.3	1.2	40	400	12	9.7
K8H601D126K#57N2***	12	57.0	34.6	27.9	39.1	1.2	40	480	12	6.8
K8H601D156K#57N2***	15	57.0	38.5	31.8	43.0	1.2	40	600	12	5.8
U_{NDC} 700Vdc, Urms 400Vac, Us 1000Vdc										
K8H701D224K#32N2***	0.22	32.0	10.5	6.4	12.8	0.8	105	23	3.5	56.2
K8H701D334K#32N2***	0.33	32.0	12.2	8.1	14.5	0.8	105	35	4.5	38.6
K8H701D474K#32N2***	0.47	32.0	14.1	10.0	16.4	0.8	105	49	6.5	27.7
K8H701D684K#32N2***	0.68	32.0	16.5	11.7	19.7	1.0	105	71	8	19.6
K8H701D105K#32N2***	1.0	32.0	19.6	14.7	22.7	1.0	105	105	9	13.6
K8H701D105K#44N2***	1.0	44.0	16.4	11.5	19.5	1.0	70	70	9	25.1
K8H701D125K#32N2***	1.2	32.0	21.3	16.4	24.4	1.0	105	126	9	11.5
K8H701D125K#44N2***	1.2	44.0	17.8	12.9	20.9	1.0	70	84	9	21.1
K8H701D155K#44N2***	1.5	44.0	19.6	14.7	22.7	1.0	70	105	9	17.1
K8H701D205K#44N2***	2.0	44.0	22.3	17.4	25.4	1.2	70	140	12	13.0
K8H701D225K#44N2***	2.2	44.0	23.3	18.4	26.4	1.2	70	154	12	11.9
K8H701D255K#44N2***	2.5	44.0	24.8	19.8	27.8	1.2	70	175	12	10.6

Remark: 1. # Shape; *** Internal code.

2. Customization for special specification and requirement is available.

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Cap (μF)	Dimension					Du/dt (v/μs)	Ipeak (A)	Imax @ 60°C @10KHz (A)	ESR @100KHz (mΩ)
		L	D	flat, oval		d				
				T	H					
U_{NDC} 700Vdc, Urms 400Vac, Us 1000Vdc										
K8H701D305K#44N2***	3.0	44.0	26.9	20.4	31.6	1.2	70	210	12	8.9
K8H701D335K#44N2***	3.3	44.0	28.2	21.6	32.8	1.2	70	231	12	8.2
K8H701D405K#44N2***	4.0	44.0	30.8	24.3	35.5	1.2	70	280	12	6.9
K8H701D405K#57N2***	4.0	57.0	25.5	20.6	28.6	1.2	45	180	12	12.9
K8H701D475K#57N2***	4.7	57.0	27.5	21.0	32.2	1.2	45	212	12	11.1
K8H701D505K#57N2***	5.0	57.0	28.3	21.8	33.0	1.2	45	225	12	10.5
K8H701D685K#57N2***	6.8	57.0	32.7	26.1	37.3	1.2	45	306	12	7.9
K8H701D825K#57N2***	8.2	57.0	35.8	29.1	40.3	1.2	45	369	12	6.6
K8H701D106K#57N2***	10	57.0	39.4	32.6	43.8	1.2	45	450	12	5.6
U_{NDC} 850Vdc, Urms 450Vac, Us 1200Vdc										
K8H851D154K#32N2***	0.15	32.0	10.5	6.4	12.8	0.8	200	30	4.5	66.9
K8H851D224K#32N2***	0.22	32.0	12.1	8.0	14.4	0.8	200	44	5.5	47.1
K8H851D334K#32N2***	0.33	32.0	14.3	10.2	16.6	0.8	200	66	7	32.3
K8H851D474K#32N2***	0.47	32.0	16.6	11.8	19.8	1.0	200	94	9	23.2
K8H851D684K#32N2***	0.68	32.0	19.5	14.6	22.6	1.0	200	136	9	16.4
K8H851D684K#44N2***	0.68	44.0	16.3	11.5	19.5	1.0	110	75	9	30.2
K8H851D105K#32N2***	1.0	32.0	23.2	18.3	26.3	1.2	200	200	12	11.5
K8H851D105K#44N2***	1.0	44.0	19.4	14.5	22.5	1.0	110	110	9	21.0
K8H851D155K#44N2***	1.5	44.0	23.2	18.3	26.3	1.2	110	165	12	14.3
K8H851D205K#44N2***	2.0	44.0	26.5	21.6	29.6	1.2	110	220	12	11.0
K8H851D225K#44N2***	2.2	44.0	27.7	21.2	32.4	1.2	110	242	12	10.0
K8H851D225K#57N2***	2.2	57.0	23.0	18.1	26.1	1.2	55	121	12	19.1
K8H851D255K#44N2***	2.5	44.0	29.5	22.9	34.1	1.2	110	275	12	8.9
K8H851D255K#57N2***	2.5	57.0	24.4	19.4	27.4	1.2	55	138	12	16.9
K8H851D305K#44N2***	3.0	44.0	32.1	25.5	36.7	1.2	110	330	12	7.5
K8H851D305K#57N2***	3.0	57.0	26.5	21.6	29.6	1.2	55	165	12	14.2
K8H851D335K#57N2***	3.3	57.0	27.7	21.2	32.4	1.2	55	182	12	13.0
K8H851D405K#57N2***	4.0	57.0	30.4	23.8	35.0	1.2	55	220	12	10.9
K8H851D475K#57N2***	4.7	57.0	32.8	26.1	37.3	1.2	55	259	12	9.3
K8H851D505K#57N2***	5.0	57.0	33.7	27.1	38.3	1.2	55	275	12	8.8
K8H851D685K#57N2***	6.8	57.0	39.1	32.4	43.6	1.2	55	374	12	6.7

Remark: 1. # Shape; *** Internal code.

2. Customization for special specification and requirement is available.