

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	Dry construction, filled by solid resin, non-inductive type
Case 外壳材料	Solvent resistant plastic case. Flammability class UL94V-0
Leads 引出端	Tinned copper wire

ELECTRICAL CHARACTERISTICS 电气特性

Operating temperature 工作温度范围	- 40 to + 105 °C
Capacitance range 容量范围	1.0 to 150 µF
Rated voltage range 额定电压	500 to 1200 Vdc
Capacitance tolerance 容量偏差	± 5%, ± 10%
Dissipation factor 损耗角正切	≤ 1.0 × 10 ⁻³ Measured at 100 Hz and 20±5°C
Life expectancy 预期寿命	100,000 hours at U _{NDC} and 70 °C (Hot-spot temperature)

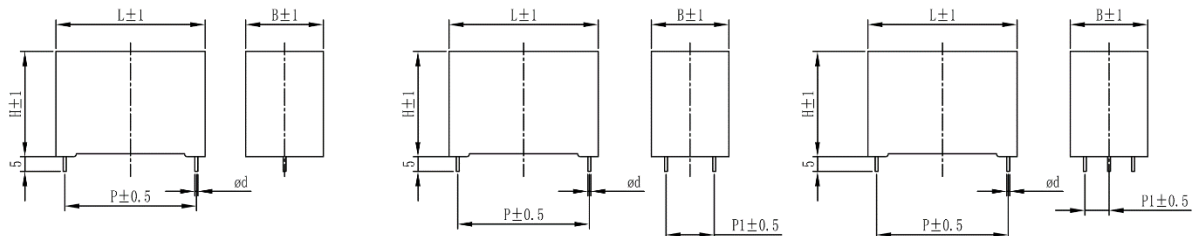
TEST METHODS AND PERFORMANCES 测试方法

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	≥ 5000s but need not exceed 30GΩ, after 1 minute of electrification at 100VDC (20±5°C)

OVER-VOLTAGE 过压保护

1.10 × U _{NDC} for maximum 8 Hour per day
1.15 × U _{NDC} for maximum 30 minimum per day
1.20 × U _{NDC} for maximum 5 minimum per day
1.30 × U _{NDC} for maximum 1 minimum per day
1.50 × U _{NDC} for 30 ms no more than 1000 times

OUTLINE DRAWING 外形图



HOW TO ORDER:

<u>K2L</u>	<u>501D</u>	<u>256</u>	<u>K</u>	<u>S</u>	<u>N</u>	<u>2</u>	<u>F</u>	<u>***</u>
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Shape:	Leads:	Style:	Lead Space:	Internal
K2L: ADL Series	501D: 500Vdc	105: 1.0µF	J: ± 5%,	S: Square	N: Tinned	2: 2 Pins	V: 27.5mm	Code
K2LS:	112D: 1100Vdc	106: 10µF	K: ± 10%		copper wire	4: 4 Pins	F: 37.5mm	
ADL-S Series						6: 6 Pins	G: 52.5mm	

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Series: ADL

Part Number	Cap (µF)	Dimension						Du/dt (v/µs)	I _{max} @60°C @10KHz (A)	ESR @1.0KHz (mΩ)
		L	B	H	P	P1	d			
U_{NDC} 500Vdc, U_s 750V, U_r 150V										
K2L501D166KSN2F***	16	42.5	22.0	30.0	37.5		1.2	20	10	7.9
K2L501D256KSN2F***	25	42.5	28.0	37.0	37.5		1.2	20	12	5.5
K2L501D256KSN4F***	25	42.5	28.0	37.0	37.5	10.2	1.2	20	14	5.3
K2L501D356KSN2F***	35	42.5	30.0	45.0	37.5		1.2	20	12	4.0
K2L501D356KSN4F***	35	42.5	30.0	45.0	37.5	20.3	1.2	20	17	3.8
K2L501D406KSN2F***	40	42.5	33.0	45.0	37.5		1.2	20	12	3.6
K2L501D406KSN4F***	40	42.5	33.0	45.0	37.5	20.3	1.2	20	19	3.5

Remark: 1. *** internal code.

2. Customization for special specification and requirement is available.

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Series: ADL

Part Number	Cap (μF)	Dimension						Du/dt (v/μs)	Imax @60°C @10KHz (A)	ESR @1.0KHz (mΩ)
		L	B	H	P	P1	d			
U_{NDC} 500Vdc, Us 750V, Ur 150V										
K2L501D506KSN2G***	50	57.5	30.0	45.0	52.5		1.2	13	12	5.2
K2L501D506KSN4G***	50	57.5	30.0	45.0	52.5	20.3	1.2	13	17	5.0
K2L501D656KSN2G***	65	57.5	35.0	50.0	52.5		1.2	13	12	4.4
K2L501D656KSN4G***	65	57.5	35.0	50.0	52.5	20.3	1.2	13	20	4.3
K2L501D906KSN4G***	90	57.5	42.5	56.0	52.5	20.3	1.2	13	22	3.7
U_{NDC} 700Vdc, Us 1050V, Ur 200V										
K2L701D156KSN2F***	15	42.5	22.0	30.0	37.5		1.2	21	9	8.0
K2L701D226KSN2F***	22	42.5	28.0	37.0	37.5		1.2	21	11	5.6
K2L701D226KSN4F***	22	42.5	28.0	37.0	37.5	10.2	1.2	21	11	5.4
K2L701D306KSN2F***	30	42.5	30.0	45.0	37.5		1.2	21	12	4.2
K2L701D306KSN4F***	30	42.5	30.0	45.0	37.5	20.3	1.2	21	14	4.0
K2L701D356KSN2F***	35	42.5	33.0	45.0	37.5		1.2	21	12	3.7
K2L701D356KSN4F***	35	42.5	33.0	45.0	37.5	20.3	1.2	21	16	3.6
K2L701D456KSN2G***	45	57.5	30.0	45.0	52.5		1.2	14	12	5.4
K2L701D456KSN4G***	45	57.5	30.0	45.0	52.5	20.3	1.2	14	14	5.2
K2L701D556KSN2G***	55	57.5	35.0	50.0	52.5		1.2	14	12	4.5
K2L701D556KSN4G***	55	57.5	35.0	50.0	52.5	20.3	1.2	14	17	4.4
K2L701D906KSN4G***	90	57.5	42.5	56.0	52.5	20.3	1.2	14	22	3.8
U_{NDC} 900Vdc, Us 1350V, Ur 250V										
K2L901D106KSN2F***	10	42.5	22.0	30.0	37.5		1.2	30	8	9.5
K2L901D026KSN2F***	15	42.5	28.0	37.0	37.5		1.2	30	11	6.5
K2L901D026KSN4F***	15	42.5	28.0	37.0	37.5	10.2	1.2	30	11	6.0
K2L901D206KSN2F***	20	42.5	30.0	45.0	37.5		1.2	30	12	5.0
K2L901D206KSN4F***	20	42.5	30.0	45.0	37.5	20.3	1.2	30	13	4.5
K2L901D226KSN2F***	22	42.5	33.0	45.0	37.5		1.2	30	12	4.6
K2L901D226KSN4F***	22	42.5	33.0	45.0	37.5	20.3	1.2	30	14	4.1
K2L901D306KSN2G***	30	57.5	30.0	45.0	52.5		1.2	20	12	6.4
K2L901D306KSN4G***	30	57.5	30.0	45.0	52.5	20.3	1.2	20	13	5.9
K2L901D406KSN2G***	40	57.5	35.0	50.0	52.5		1.2	20	12	4.9
K2L901D406KSN4G***	40	57.5	35.0	50.0	52.5	20.3	1.2	20	17	4.4
K2L901D556KSN4G***	55	57.5	42.5	56.0	52.5	20.3	1.2	20	22	3.0
U_{NDC} 1100Vdc, Us 1650V, Ur 300V										
K2L112D605KSN2F***	6	42.5	22.0	30.0	37.5		1.2	39	7	12.9
K2L112D106KSN2F***	10	42.5	28.0	37.0	37.5		1.2	39	10	8.0
K2L112D106KSN4F***	10	42.5	28.0	37.0	37.5	10.2	1.2	39	10	7.5
K2L112D146KSN2F***	14	42.5	30.0	45.0	37.5		1.2	39	12	5.8
K2L112D146KSN4F***	14	42.5	30.0	45.0	37.5	20.3	1.2	39	12	5.3
K2L112D156KSN2F***	15	42.5	33.0	45.0	37.5		1.2	39	12	5.5
K2L112D156KSN4F***	15	42.5	33.0	45.0	37.5	20.3	1.2	39	13	5.0
K2L112D226KSN2G***	22	57.5	30.0	45.0	52.5		1.2	26	12	7.2
K2L112D226KSN4G***	22	57.5	30.0	45.0	52.5	20.3	1.2	26	13	6.7
K2L112D256KSN2G***	25	57.5	35.0	50.0	52.5		1.2	26	12	6.4
K2L112D256KSN4G***	25	57.5	35.0	50.0	52.5	20.3	1.2	26	14	5.9
K2L112D406KSN4G***	40	57.5	42.5	56.0	52.5	20.3	1.2	26	20	3.7

Remark: 1. *** internal code.

2. Customization for special specification and requirement is available.

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Series: ADL-S smaller size

Part Number	Cap (μF)	Dimension						Du/dt (v/μs)	Imax @60°C @10KHz (A)	ESR @1.0KHz (mΩ)
		L	B	H	P	P1	d			
U_{NDC} 700Vdc, Us 1050V, Ur 150V										
K2LS701D305KSN2V***	3	31.0	9.0	18.0	27.5		0.8	30	4	25.8
K2LS701D405KSN2V***	4	31.0	11.0	20.0	27.5		0.8	30	4	19.9
K2LS701D605KSN2V***	6	31.0	13.0	22.0	27.5		0.8	30	5	13.8
K2LS701D805KSN2V***	8	31.0	15.0	24.5	27.5		0.8	30	5	10.7
K2LS701D106KSN2V***	10	31.0	17.0	28.0	27.5		0.8	30	5	8.8
K2LS701D156KSN2V***	15	31.0	18.0	33.0	27.5		0.8	30	5	6.4
K2LS701D176KSN4V***	17	31.0	22.0	31.0	27.5	10.2	0.8	30	10	5.6
K2LS701D226KSN4F***	22	42.5	22.0	30.0	37.5	10.2	1.2	21	11	6.7
K2LS701D406KSN4F***	40	42.5	28.0	37.0	37.5	10.2	1.2	21	16	4.2
K2LS701D506KSN4F***	50	42.5	30.0	45.0	37.5	20.3	1.2	21	18	3.6
K2LS701D606KSN4F***	60	42.5	33.0	45.0	37.5	20.3	1.2	21	20	3.2
K2LS701D806KSN4G***	80	57.5	30.0	45.0	52.5	20.3	1.2	14	20	3.9
K2LS701D107KSN4G***	100	57.5	35.0	50.0	52.5	20.3	1.2	14	23	3.4
K2LS701D1456KSN4G***	145	57.5	42.5	56.0	52.5	20.3	1.2	14	23	2.7
K2LS701D1456KSN6G***	145	57.5	42.5	56.0	52.5	10.2	1.2	14	27	2.9
U_{NDC} 800Vdc, Us 1200V, Ur 175V										
K2LS801D205KSN2V***	2	31.0	9.0	18.0	27.5		0.8	36	3	34.9
K2LS801D305KSN2V***	3	31.0	11.0	20.0	27.5		0.8	36	4	24.0
K2LS801D405KSN2V***	4	31.0	13.0	22.0	27.5		0.8	36	5	18.4
K2LS801D605KSN2V***	6	31.0	15.0	24.5	27.5		0.8	36	5	12.8
K2LS801D805KSN2V***	8	31.0	17.0	28.0	27.5		0.8	36	5	10.0
K2LS801D106KSN2V***	10	31.0	18.0	33.0	27.5		0.8	36	5	8.2
K2LS801D126KSN4V***	12	31.0	22.0	31.0	27.5	10.2	0.8	36	10	6.9
K2LS801D166KSN4F***	16	42.5	22.0	30.0	37.5	10.2	1.2	28	10	8.0
K2LS801D256KSN4F***	25	42.5	28.0	37.0	37.5	10.2	1.2	28	14	5.5
K2LS801D356KSN4F***	35	42.5	30.0	45.0	37.5	20.3	1.2	28	17	4.3
K2LS801D426KSN4F***	42	42.5	33.0	45.0	37.5	20.3	1.2	28	19	3.7
K2LS801D556KSN4G***	55	57.5	30.0	45.0	52.5	20.3	1.2	16	18	4.7
K2LS801D756KSN4G***	75	57.5	35.0	50.0	52.5	20.3	1.2	16	21	3.8
K2LS801D117KSN4G***	110	57.5	42.5	56.0	52.5	20.3	1.2	16	23	2.9
K2LS801D117KSN6G***	110	57.5	42.5	56.0	52.5	10.2	1.2	16	26	3.1
U_{NDC} 900Vdc, Us 1350V, Ur 200V										
K2LS901D155KSN2V***	1.5	31.0	9.0	18.0	27.5		0.8	45	3	44.0
K2LS901D255KSN2V***	2.5	31.0	11.0	20.0	27.5		0.8	45	4	27.3
K2LS901D335KSN2V***	3.3	31.0	13.0	22.0	27.5		0.8	45	5	21.1
K2LS901D455KSN2V***	4.5	31.0	15.0	24.5	27.5		0.8	45	5	15.9
K2LS901D605KSN2V***	6	31.0	17.0	28.0	27.5		0.8	45	5	12.3
K2LS901D856KSN2V***	8.5	31.0	18.0	33.0	27.5		0.8	45	5	9.1
K2LS901D106KSN4V***	10	31.0	22.0	31.0	27.5	10.2	0.8	45	9	7.7
K2LS901D146KSN4F***	14	42.5	22.0	30.0	37.5	10.2	1.2	30	10	8.5
K2LS901D256KSN4F***	25	42.5	28.0	37.0	37.5	10.2	1.2	30	14	5.3
K2LS901D336KSN4F***	33	42.5	30.0	45.0	37.5	20.3	1.2	30	17	4.3
K2LS901D356KSN4F***	35	42.5	33.0	45.0	37.5	20.3	1.2	30	18	4.1
K2LS901D506KSN4G***	50	57.5	30.0	45.0	52.5	20.3	1.2	20	18	4.8
K2LS901D656KSN4G***	65	57.5	35.0	50.0	52.5	20.3	1.2	20	21	4.0
K2LS901D907KSN4G***	90	57.5	42.5	56.0	52.5	20.3	1.2	20	23	3.2
K2LS901D907KSN6G***	90	57.5	42.5	56.0	52.5	10.2	1.2	20	25	3.4

Remark: 1. *** internal code.

2. Customization for special specification and requirement is available.

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Series: ADL-S smaller size

Part Number	Cap (μF)	Dimension						Du/dt (v/μs)	Imax @60°C @10KHz (A)	ESR @1.0KHz (mΩ)
		L	B	H	P	P1	d			
U_{NDC} 1100Vdc, Us 1650V, Ur 250V										
K2LS112D125KSN2V***	1.2	31.0	9.0	18.0	27.5		0.8	45	3	51.5
K2LS112D205KSN2V***	2	31.0	11.0	20.0	27.5		0.8	45	3	31.9
K2LS112D255KSN2V***	2.5	31.0	13.0	22.0	27.5		0.8	45	4	25.9
K2LS112D685KSN2V***	3.5	31.0	15.0	24.5	27.5		0.8	45	5	19.0
K2LS112D505KSN2V***	5	31.0	17.0	28.0	27.5		0.8	45	5	13.7
K2LS112D605KSN2V***	6	31.0	18.0	33.0	27.5		0.8	45	5	11.7
K2LS112D605KSN4V***	6	31.0	18.0	33.0	27.5	10.2	0.8	45	5	11.7
K2LS112D755KSN4V***	7.5	31.0	22.0	31.0	27.5	10.2	0.8	45	9	9.4
K2LS112D106KSN4F***	10	42.5	22.0	30.0	37.5	10.2	1.2	32	9	10.5
K2LS112D186KSN4F***	18	42.5	28.0	37.0	37.5	10.2	1.2	32	13	6.4
K2LS112D226KSN4F***	22	42.5	30.0	45.0	37.5	20.3	1.2	32	15	5.5
K2LS112D256KSN4F***	25	42.5	33.0	45.0	37.5	20.3	1.2	32	16	4.9
K2LS112D356KSN4G***	35	57.5	30.0	45.0	52.5	20.3	1.2	20	16	5.9
K2LS112D506KSN4G***	50	57.5	35.0	50.0	52.5	20.3	1.2	20	20	4.5
K2LS112D656KSN4G***	65	57.5	42.5	56.0	52.5	20.3	1.2	20	23	3.7
U_{NDC} 1200Vdc, Us 1800V, Ur 275V										
K2LS122D105KSN2V***	1	31.0	9.0	18.0	27.5		0.8	50	2	58.5
K2LS122D155KSN2V***	1.5	31.0	11.0	20.0	27.5		0.8	50	3	39.9
K2LS122D205KSN2V***	2	31.0	13.0	22.0	27.5		0.8	50	4	30.4
K2LS122D305KSN2V***	3	31.0	15.0	24.5	27.5		0.8	50	5	20.9
K2LS122D405KSN2V***	4	31.0	17.0	28.0	27.5		0.8	50	5	16.0
K2LS122D505KSN2V***	5	31.0	18.0	33.0	27.5		0.8	50	5	13.1
K2LS122D605KSN4V***	6	31.0	22.0	31.0	27.5	10.2	0.8	50	8	11.0
K2LS122D805KSN4V***	8	42.5	22.0	30.0	37.5	10.2	1.2	38	8	12.2
K2LS122D146KSN4F***	14	42.5	28.0	37.0	37.5	10.2	1.2	38	12	7.5
K2LS122D186KSN4F***	18	42.5	30.0	45.0	37.5	20.3	1.2	38	14	6.1
K2LS122D206KSN4F***	20	42.5	33.0	45.0	37.5	20.3	1.2	38	15	5.6
K2LS122D306KSN4F***	30	57.5	30.0	45.0	52.5	20.3	1.2	30	16	6.2
K2LS122D406KSN4G***	40	57.5	35.0	50.0	52.5	20.3	1.2	30	19	5.0
K2LS122D556KSN4G***	55	57.5	42.5	56.0	52.5	20.3	1.2	30	23	3.9

Remark: 1. *** internal code.

2. Customization for special specification and requirement is available.