

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, Non-inductive type
Case 外壳材料	Solvent resistant plastic case. Flammability class UL94V-0
Leads 引出端	Tinned copper wire, 2 leads, 4 leads, 6 leads

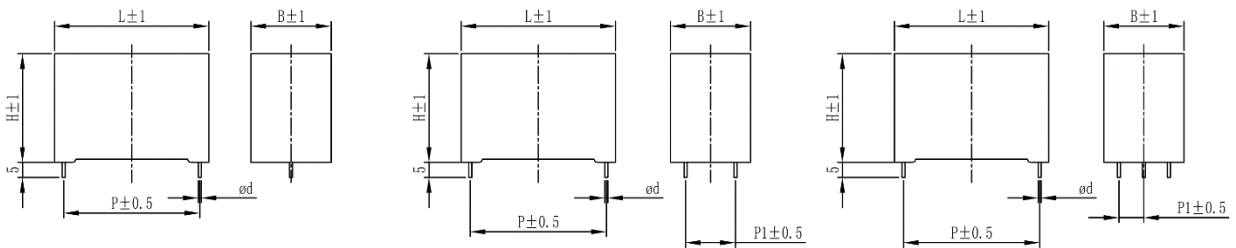
ELECTRICAL CHARACTERISTICS 电气特性

Operating temperature 工作温度范围	- 40 to + 105 °C
Capacitance range 容量范围	0.1 to 40 μF
Rated voltage range 额定电压	330 to 850 Vdc
Capacitance tolerance 容量偏差	± 5%, ± 10%
Dissipation factor 损耗角正切	≤ 10 × 10 ⁻⁴ Measured at 1000±20Hz 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	2 × U _{NDC} applied to 10s at 20±5 °C
Test voltage terminal to case 端壳耐压	3KVAC/50Hz for 60s
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)

OUTLINE DRAWING 外形图



HOW TO ORDER:

<u>K1L</u>	<u>401D</u>	<u>474</u>	<u>K</u>	<u>S</u>	<u>N</u>	<u>2</u>	<u>P</u>	<u>***</u>
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Shape:	Leads:	Style:	Lead Space:	Internal
K1L:	401D: 400Vdc	104: 0.1μF	J: ± 5%,	S:	N: Tinned	2: 2 leads	T: 22.5mm	Code
AGL Series	331D: 330Vdc	105: 1.0μF	K: ± 10%	Square	copper wire	4: 4 leads	V: 27.5mm	
		106: 10μF				6: 6 leads	F: 37.5mm	
							G: 52.5mm	

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 @1.0KHz (mΩ)
		L	B	H	P	P1	d				
U_{NDC} 330Vdc, Urms 200Vac, Us 660V											
K1L331D684KSN2T***	0.68	26.5	8.5	17.0	22.5		0.8	60	41	5.0	8.5
K1L331D105KSN2T***	1.0	26.5	10.0	18.5	22.5		0.8	60	60	6.5	6.6
K1L331D155KSN2T***	1.5	26.5	12.0	22.0	22.5		0.8	60	90	7.0	5.1
K1L331D155KSN2V***	1.5	31.0	11.0	20.0	27.5		0.8	45	68	7.0	5.8
K1L331D205KSN2V***	2.0	31.0	13.0	22.0	27.5		1.0	45	90	8.0	5.0
K1L331D225KSN2V***	2.2	31.0	13.0	22.0	27.5		1.0	45	99	8.5	4.8
K1L331D255KSN2V***	2.5	31.0	13.0	22.0	27.5		1.0	45	113	9.0	4.6
K1L331D305KSN2V***	3.0	31.0	15.0	24.5	27.5		1.0	45	135	9.0	4.1
K1L331D335KSN2V***	3.3	31.0	15.0	24.5	27.5		1.0	45	149	9.0	3.9
K1L331D475KSN2V***	4.7	31.0	18.0	33.0	27.5		1.2	45	212	12.0	3.1
K1L331D475KSN4V***	4.7	31.0	18.0	33.0	27.5	5.1	1.2	45	212	16.0	2.6
K1L331D505KSN2V***	5.0	31.0	18.0	33.0	27.5		1.2	45	225	12.0	2.9
K1L331D505KSN4V***	5.0	31.0	18.0	33.0	27.5	5.1	1.2	45	225	16.5	2.4
K1L331D685KSN2V***	6.8	31.0	22.0	31.0	27.5		1.2	45	306	12.0	2.6

Remark: 1. *** 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 @1.0KHz (mΩ)
		L	B	H	P	P1	d				
U_{NDC} 330Vdc, Urms 200Vac, Us 660V											
K1L331D685KSN4V***	6.8	31.0	22.0	31.0	27.5	10.2	1.2	45	306	20.0	2.1
K1L331D685KSN2F***	6.8	42.5	17.0	28.0	37.5		1.2	30	204	12.0	3.3
K1L331D156KSN2F***	15	42.5	28.0	37.0	37.5		1.2	30	450	12.0	2.5
K1L331D156KSN4F***	15	42.5	28.0	37.0	37.5	10.2	1.2	30	450	22.0	2.0
K1L331D206KSN2F***	20	42.5	30.0	45.0	37.5		1.2	30	600	12.0	2.3
K1L331D206KSN4F***	20	42.5	30.0	45.0	37.5	20.3	1.2	30	600	22.0	1.8
K1L331D256KSN2G***	25	57.5	30.0	45.0	52.5		1.2	17	425	12.0	3.8
K1L331D256KSN4G***	25	57.5	30.0	45.0	52.5	20.3	1.2	17	425	22.0	3.2
K1L331D306KSN2G***	30	57.5	30.0	45.0	52.5		1.2	17	510	12.0	3.5
K1L331D306KSN4G***	30	57.5	30.0	45.0	52.5	20.3	1.2	17	510	22.0	2.9
K1L331D306KSN6G***	30	57.5	30.0	45.0	52.5	10.2	1.2	17	510	25.0	2.9
K1L331D336KSN2G***	33	57.5	35.0	50.0	52.5		1.2	17	561	12.0	3.3
K1L331D336KSN4G***	33	57.5	35.0	50.0	52.5	20.3	1.2	17	561	22.0	2.7
K1L331D336KSN6G***	33	57.5	35.0	50.0	52.5	10.2	1.2	17	561	28.5	2.7
K1L331D356KSN2G***	35	57.5	35.0	50.0	52.5		1.2	17	595	12.0	3.2
K1L331D356KSN4G***	35	57.5	35.0	50.0	52.5	20.3	1.2	17	595	22.0	2.6
K1L331D356KSN6G***	35	57.5	35.0	50.0	52.5	10.2	1.2	17	595	30.0	2.6
K1L331D406KSN2G***	40	57.5	35.0	50.0	52.5		1.2	17	680	12.0	3.0
K1L331D406KSN4G***	40	57.5	35.0	50.0	52.5	20.3	1.2	17	680	22.0	2.4
K1L331D406KSN6G***	40	57.5	35.0	50.0	52.5	10.2	1.2	17	680	32.0	2.4
U_{NDC} 400Vdc, Urms 250Vac, Us 800V											
K1L401D474KSN2T***	0.47	26.5	8.5	17.0	22.5		0.8	75	35	4.5	8.2
K1L401D684KSN2T***	0.68	26.5	10.0	18.5	22.5		0.8	75	51	6.0	6.7
K1L401D684KSN2V***	0.68	31.0	9.0	18.0	27.5		0.8	55	37	6.0	8.4
K1L401D105KSN2T***	1.0	26.5	12.0	22.0	22.5		0.8	75	75	7.0	5.5
K1L401D105KSN2V***	1.0	31.0	11.0	20.0	27.5		0.8	55	55	7.0	6.4
K1L401D155KSN2V***	1.5	31.0	13.0	22.0	27.5		1.0	55	83	9.0	5.0
K1L401D205KSN2V***	2.0	31.0	15.0	24.5	27.5		1.0	55	110	9.0	4.4
K1L401D225KSN2V***	2.2	31.0	15.0	24.5	27.5		1.0	55	121	9.0	4.2
K1L401D255KSN2V***	2.5	31.0	17.0	28.0	27.5		1.0	55	138	9.0	4.0
K1L401D305KSN2V***	3.0	31.0	17.0	28.0	27.5		1.2	55	165	12.0	3.4
K1L401D305KSN4V***	3.0	31.0	17.0	28.0	27.5	5.1	1.2	55	165	17.5	2.8
K1L401D335KSN2V***	3.3	31.0	18.0	33.0	27.5		1.2	55	182	12.0	3.4
K1L401D335KSN4V***	3.3	31.0	18.0	33.0	27.5	5.1	1.2	55	182	18.0	2.8
K1L401D405KSN2V***	4.0	31.0	18.0	33.0	27.5		1.2	55	220	12.0	3.1
K1L401D405KSN4V***	4.0	31.0	18.0	33.0	27.5	10.2	1.2	55	220	21.0	2.5
K1L401D475KSN2V***	4.7	31.0	22.0	31.0	27.5		1.2	55	259	12.0	2.9
K1L401D475KSN4V***	4.7	31.0	22.0	31.0	27.5	10.2	1.2	55	259	21.5	2.3
K1L401D475KSN2F***	4.7	42.5	17.0	28.0	37.5		1.2	40	188	12.0	3.7
K1L401D505KSN2F***	5.0	42.5	18.0	31.5	37.5		1.2	40	200	12.0	3.5
K1L401D685KSN2F***	6.8	42.5	22.0	30.0	37.5		1.2	40	272	12.0	3.0
K1L401D685KSN4F***	6.8	42.5	22.0	30.0	37.5	10.2	1.2	40	272	22.0	2.4
K1L401D106KSN2F***	10	42.5	28.0	37.0	37.5		1.2	40	400	12.0	2.6
K1L401D106KSN4F***	10	42.5	28.0	37.0	37.5	20.3	1.2	40	400	22.0	2.0
K1L401D106KSN6F***	10	42.5	28.0	37.0	37.5	10.2	1.2	40	400	24.0	1.9
K1L401D156KSN2F***	15	42.5	30.0	45.0	37.5		1.2	40	600	12.0	2.3
K1L401D156KSN4F***	15	42.5	30.0	45.0	37.5	20.3	1.2	40	600	22.0	1.7
K1L401D156KSN6F***	15	42.5	30.0	45.0	37.5	10.2	1.2	40	600	28.0	1.7
K1L401D206KSN2G***	20	57.5	30.0	45.0	52.5		1.2	20	400	12.0	3.5
K1L401D206KSN4G***	20	57.5	30.0	45.0	52.5	20.3	1.2	20	400	22.0	2.9
K1L401D206KSN6G***	20	57.5	30.0	45.0	52.5	10.2	1.2	20	400	25.0	2.9
K1L401D226KSN2G***	22	57.5	35.0	50.0	52.5		1.2	20	440	12.0	3.4
K1L401D226KSN4G***	22	57.5	35.0	50.0	52.5	20.3	1.2	20	440	22.0	2.8

Remark: 1. *** 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 @1.0KHz (mΩ)
		L	B	H	P	P1	d				
U_{NDC} 400Vdc, Urms 250Vac, Us 800V											
K1L401D226KSN6G***	22	57.5	35.0	50.0	52.5	10.2	1.2	20	440	27.0	2.8
K1L401D256KSN2G***	25	57.5	35.0	50.0	52.5		1.2	20	500	12.0	3.2
K1L401D256KSN4G***	25	57.5	35.0	50.0	52.5	20.3	1.2	20	500	22.0	2.6
K1L401D256KSN6G***	25	57.5	35.0	50.0	52.5	10.2	1.2	20	500	28.0	2.6
U_{NDC} 600Vdc, Urms 330Vac, Us 1200V											
K1L601D224KSN2T***	0.22	26.5	8.5	17.0	22.5		0.8	95	21	3.5	12.2
K1L601D334KSN2T***	0.33	26.5	10.0	18.5	22.5		0.8	95	31	4.5	9.0
K1L601D474KSN2T***	0.47	26.5	11.0	20.0	22.5		0.8	95	45	5.5	7.9
K1L601D684KSN2V***	0.68	31.0	11.0	20.0	27.5		0.8	75	51	6.5	7.2
K1L601D105KSN2V***	1.0	31.0	15.0	24.5	27.5		1.0	75	75	8.5	5.8
K1L601D155KSN2V***	1.5	31.0	18.0	33.0	27.5		1.2	75	113	11.0	4.4
K1L601D205KSN2V***	2.0	31.0	18.0	33.0	27.5		1.2	75	150	12.0	3.8
K1L601D205KSN4V***	2.0	31.0	18.0	33.0	27.5	10.2	1.2	75	150	16.5	3.2
K1L601D225KSN2V***	2.2	31.0	18.0	33.0	27.5		1.2	75	165	12.0	3.8
K1L601D225KSN4V***	2.2	31.0	18.0	33.0	27.5	10.2	1.2	75	165	17.0	3.2
K1L601D405KSN2F***	4.0	42.5	22.0	37.0	37.5		1.2	55	220	12.0	3.4
K1L601D105KSN4F***	4.0	42.5	22.0	37.0	37.5	10.2	1.2	55	220	22.0	2.8
K1L601D475KSN2F***	4.7	42.5	28.0	37.0	37.5		1.2	55	259	12.0	3.1
K1L601D475KSN4F***	4.7	42.5	28.0	37.0	37.5	10.2	1.2	55	259	22.5	2.5
K1L601D505KSN2F***	5.0	42.5	28.0	37.0	37.5		1.2	55	275	12.0	3.1
K1L601D505KSN4F***	5.0	42.5	28.0	37.0	37.5	10.2	1.2	55	275	22.0	2.5
K1L601D685KSN2F***	6.8	42.5	30.0	45.0	37.5		1.2	55	374	12.0	2.8
K1L601D685KSN4F***	6.8	42.5	30.0	45.0	37.5	20.3	1.2	55	374	22.0	2.2
K1L601D905KSN2F***	9.0	42.5	30.0	45.0	37.5		1.2	55	495	12.0	2.6
K1L601D905KSN4F***	9.0	42.5	30.0	45.0	37.5	20.3	1.2	55	495	22.0	2.0
K1L601D905KSN6F***	9.0	42.5	30.0	45.0	37.5	10.2	1.2	55	495	27.0	2.0
K1L601D106KSN2G***	10	57.5	30.0	45.0	52.5		1.2	30	300	12.0	4.4
K1L601D106KSN4G***	10	57.5	30.0	45.0	52.5	20.3	1.2	30	300	22.0	3.8
K1L601D156KSN2G***	15	57.5	35.0	50.0	52.5		1.2	30	450	12.0	3.7
K1L601D156KSN4G***	15	57.5	35.0	50.0	52.5	20.3	1.2	30	450	22.0	3.1
K1L601D156KSN6G***	15	57.5	35.0	50.0	52.5	10.2	1.2	30	450	25.5	3.1
U_{NDC} 700Vdc, Urms 400Vac, Us 1400V											
K1L701D154KSN2T***	0.15	26.5	8.5	17.0	22.5		0.8	135	20	3.5	12.7
K1L701D224KSN2T***	0.22	26.5	10.0	18.5	22.5		0.8	135	30	4.5	10.2
K1L701D334KSN2T***	0.33	26.5	11.0	20.0	22.5		0.8	135	45	6.0	8.1
K1L701D334KSN2V***	0.33	31.0	11.0	20.0	27.5		0.8	105	35	6.0	10.2
K1L701D474KSN2V***	0.47	31.0	13.0	22.0	27.5		1.0	105	49	7.0	7.1
K1L701D684KSN2V***	0.68	31.0	15.0	24.5	27.5		1.0	105	71	9.0	5.8
K1L701D105KSN2V***	1.0	31.0	17.0	28.0	27.5		1.2	105	105	12.0	4.4
K1L701D105KSN4V***	1.0	31.0	18.0	33.0	27.5	10.2	1.2	105	105	15.0	3.8
K1L701D155KSN2V***	1.5	31.0	22.0	31.0	27.5		1.2	105	158	12.0	3.8
K1L701D155KSN4V***	1.5	31.0	22.0	31.0	27.5	10.2	1.2	105	158	19.5	3.2
K1L701D155KSN2F***	1.5	42.5	17.0	28.0	37.5		1.2	70	105	12.0	5.3
K1L701D205KSN2F***	2.0	42.5	22.0	30.0	37.5		1.2	70	140	12.0	4.7
K1L701D225KSN2F***	2.2	42.5	22.0	30.0	37.5		1.2	70	154	12.0	4.4
K1L701D225KSN4F***	2.2	42.5	22.0	30.0	37.5	10.2	1.2	70	154	20.0	3.8
K1L701D305KSN2F***	3.0	42.5	28.0	37.0	37.5		1.2	70	210	12.0	3.7
K1L701D305KSN4F***	3.0	42.5	28.0	37.0	37.5	20.3	1.2	70	210	20.0	3.1
K1L701D335KSN2F***	3.3	42.5	28.0	37.0	37.5		1.2	70	231	12.0	3.6
K1L701D335KSN4F***	3.3	42.5	28.0	37.0	37.5	20.3	1.2	70	231	20.5	3.0
K1L701D405KSN2F***	4.0	42.5	28.0	37.0	37.5		1.2	70	280	12.0	3.2
K1L701D405KSN4F***	4.0	42.5	28.0	37.0	37.5	20.3	1.2	70	280	22.0	2.6
K1L701D475KSN2F***	4.7	42.5	30.0	45.0	37.5		1.2	70	329	12.0	3.0

Remark: 1. *** 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 @1.0KHz (mΩ)
		L	B	H	P	P1	d				
U_{NDC} 700Vdc, Urms 400Vac, Us 1400V											
K1L701D475KSN4F***	4.7	42.5	30.0	45.0	37.5	20.3	1.2	70	329	22.0	2.4
K1L701D505KSN2F***	5.0	42.5	30.0	45.0	37.5		1.2	70	350	12.0	2.9
K1L701D505KSN4F***	5.0	42.5	30.0	45.0	37.5	20.3	1.2	70	350	22.0	2.3
K1L701D605KSN2F***	6.0	42.5	33.0	45.0	37.5		1.2	70	420	12.0	4.8
K1L701D605KSN4F***	6.0	42.5	33.0	45.0	37.5	20.3	1.2	70	420	22.0	4.2
K1L701D685KSN2G***	6.8	57.5	30.0	45.0	52.5		1.2	40	272	12.0	4.5
K1L701D685KSN4G***	6.8	57.5	30.0	45.0	52.5	20.3	1.2	40	272	22.0	3.9
K1L701D805KSN2G***	8.0	57.5	35.0	50.0	52.5		1.2	40	320	12.0	4.2
K1L701D805KSN4G***	8.0	57.5	35.0	50.0	52.5	20.3	1.2	40	320	22.0	3.6
K1L701D805KSN6G***	8.0	57.5	35.0	50.0	52.5	10.2	1.2	40	320	24.0	3.5
K1L701D905KSN2G***	9.0	57.5	35.0	50.0	52.5		1.2	40	360	12.0	3.9
K1L701D905KSN4G***	9.0	57.5	35.0	50.0	52.5	20.3	1.2	40	360	22.0	3.3
K1L701D905KSN6G***	9.0	57.5	35.0	50.0	52.5	10.2	1.2	40	360	25.0	3.2
U_{NDC} 850Vdc, Urms 450Vac, Us 1700V											
K1L851D104KSN2V***	0.10	31.0	9.0	18.0	27.5		0.8	200	20	3.5	15.0
K1L851D154KSN2T***	0.15	26.5	10.0	18.5	22.5		0.8	300	45	5.5	9.7
K1L851D154KSN2V***	0.15	31.0	9.0	18.0	27.5		0.8	200	30	5.0	10.7
K1L851D224KSN2T***	0.22	26.5	11.0	20.0	22.5		0.8	300	66	6.5	7.6
K1L851D224KSN2V***	0.22	31.0	11.0	20.0	27.5		0.8	200	44	6.5	8.3
K1L851D334KSN2V***	0.33	31.0	13.0	22.0	27.5		1.0	200	66	8.5	6.3
K1L851D474KSN2V***	0.47	31.0	15.0	24.5	27.5		1.0	200	94	9.0	5.1
K1L851D684KSN2V***	0.68	31.0	17.0	28.0	27.5		1.2	200	136	12.0	3.7
K1L851D684KSN4V***	0.68	31.0	17.0	28.0	27.5	5.1	1.2	200	136	16.5	3.1
K1L851D105KSN2V***	1.0	31.0	18.0	33.0	27.5		1.2	200	200	12.0	3.0
K1L851D105KSN4V***	1.0	31.0	18.0	33.0	27.5	10.2	1.2	200	200	20.5	2.4
K1L851D105KSN2F***	1.0	42.5	17.0	28.0	37.5		1.2	110	110	12.0	3.9
K1L851D155KSN2F***	1.5	42.5	22.0	30.0	37.5		1.2	110	165	12.0	3.4
K1L851D205KSN2F***	2.0	42.5	28.0	37.0	37.5		1.2	110	220	12.0	2.9
K1L851D205KSN4F***	2.0	42.5	28.0	37.0	37.5	10.2	1.2	110	220	21.0	2.3
K1L851D225KSN2F***	2.2	42.5	28.0	37.0	37.5		1.2	110	242	12.0	2.8
K1L851D225KSN4F***	2.2	42.5	28.0	37.0	37.5	10.2	1.2	110	242	22.0	2.2
K1L851D255KSN2F***	2.5	42.5	28.0	37.0	37.5		1.2	110	275	12.0	2.6
K1L851D255KSN4F***	2.5	42.5	28.0	37.0	37.5	20.3	1.2	110	275	22.0	2.0
K1L851D305KSN2F***	3.0	42.5	30.0	45.0	37.5		1.2	110	330	12.0	2.4
K1L851D305KSN4F***	3.0	42.5	30.0	45.0	37.5	20.3	1.2	110	330	22.0	1.8
K1L851D305KSN6F***	3.0	42.5	30.0	45.0	37.5	10.2	1.2	110	330	25.5	1.8
K1L851D335KSN2F***	3.3	42.5	30.0	45.0	37.5		1.2	110	363	12.0	2.3
K1L851D335KSN4F***	3.3	42.5	30.0	45.0	37.5	20.3	1.2	110	363	22.0	1.7
K1L851D335KSN6F***	3.3	42.5	30.0	45.0	37.5	10.2	1.2	110	363	27.0	1.7
K1L851D405KSN2G***	4.0	57.5	30.0	45.0	52.5		1.2	55	220	12.0	3.1
K1L851D405KSN4G***	4.0	57.5	30.0	45.0	52.5	20.3	1.2	55	220	22.0	2.5
K1L851D405KSN6G***	4.0	57.5	30.0	45.0	52.5	10.2	1.2	55	220	26.0	2.5
K1L851D475KSN2G***	4.7	57.5	30.0	45.0	52.5		1.2	55	259	12.0	2.7
K1L851D475KSN4G***	4.7	57.5	30.0	45.0	52.5	20.3	1.2	55	259	22.0	2.1
K1L851D475KSN6G***	4.7	57.5	30.0	45.0	52.5	10.2	1.2	55	259	31.5	2.1
K1L851D565KSN2G***	5.6	57.5	35.0	50.0	52.5		1.2	55	308	12.0	2.5
K1L851D565KSN4G***	5.6	57.5	35.0	50.0	52.5	20.3	1.2	55	308	22.0	1.9
K1L851D565KSN6G***	5.6	57.5	35.0	50.0	52.5	10.2	1.2	55	308	32.0	1.9
K1L851D605KSN2G***	6.0	57.5	35.0	50.0	52.5		1.2	55	330	12.0	2.4
K1L851D605KSN4G***	6.0	57.5	35.0	50.0	52.5	20.3	1.2	55	330	22.0	1.8
K1L851D605KSN6G***	6.0	57.5	35.0	50.0	52.5	10.2	1.2	55	330	32.0	1.8

Remark: 1. *** Internal code.

2. Customization for special specification and requirement is available.