■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	Polyester tape wrapping, UL94 V-0 material filling
Output 引出端	Threaded insert M6 or M8

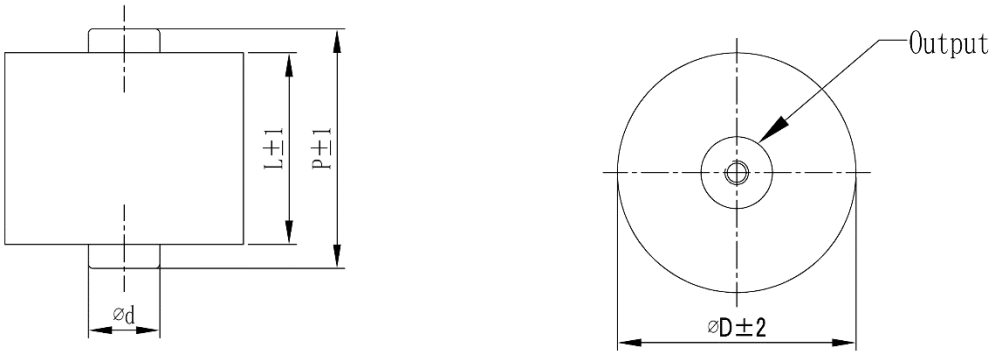
■ELECTRICAL CHARACTERISTICS 电气特性

Operating temperature 工作温度范围	- 40 to + 85 ℃
Capacitance range 容量范围	0.068 to 3.0 μF
Rated voltage range 额定电压	4KV to 20KVdc
Capacitance tolerance 容量偏差	± 5%, ± 10%
Dissipation factor 损耗角正切	≤8.0×10^{-4} Measured at 1000 Hz and 20±5℃
Life expectancy 预期寿命	100,000 hours at U_{NDC} and 70 ℃(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 ℃
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℃)

■OUTLINE DRAWING 外形图



Output	M6*8	M8*8
d	15mm	18mm
Max Torque	4.5 N.M	8.5 N.M

■HOW TO ORDER:

ASG	203D	154	K	R	130	F	6	***
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Shape:	Length	Output:	Output Size:	Internal
K8G:	103D: 10000Vdc	105: 1.0μF	J: ± 5%,	R: Round	L=130mm	F: Thread	6: M6*8	Code
ASG series	102D: 1000Vdc	104: 0.1μF	K: ± 10%				8: M8*8	

■**ELECTRICAL SPECIFICATION 规格型号参考** **Unit: mm**

Part Number	Cap (μF)	Dimension L	D	Output	P	ESR @1.0KHz (mΩ)	Ls (nH)	Du/dt (v/us)	Ipeak (A)	Urms (VAC)
U_{NDC} 4000 Vdc, Us 6000V										
K8G402D684KR50F6***	0.68	50.0	50.0	M6*8	61.0	2.1	25	1010	687	1600
K8G402D754KR50F6***	0.75	50.0	52.0	M6*8	61.0	1.9	25	1010	758	1600
K8G402D105KR50F8***	1.0	50.0	60.0	M8*8	61.0	1.5	25	1010	1010	1600
K8G402D1254KR50F8***	1.25	50.0	67.0	M8*8	61.0	1.3	25	1010	1263	1600
K8G402D155KR50F8***	1.5	50.0	73.0	M8*8	61.0	1.1	25	1010	1515	1600
K8G402D205KR50F8***	2.0	50.0	84.0	M8*8	61.0	0.9	25	1010	2020	1600
K8G402D255KR50F8***	2.5	50.0	93.0	M8*8	61.0	0.8	25	1010	2525	1600
K8G402D684KR64F6***	0.68	64.0	38.0	M6*8	76.0	4.0	25	770	524	1500
K8G402D105KR64F6***	1.0	64.0	45.0	M6*8	76.0	3.0	25	770	770	1500
K8G402D155KR64F6***	1.5	64.0	55.0	M6*8	76.0	2.5	25	770	1155	1500
K8G402D205KR64F8***	2.0	64.0	63.0	M8*8	76.0	2.0	25	770	1540	1500
K8G402D255KR64F8***	2.5	64.0	70.0	M8*8	76.0	1.8	25	770	1925	1500
K8G402D305KR64F8***	3.0	64.0	76.0	M8*8	76.0	1.6	25	770	2310	1500
U_{NDC} 5000 Vdc, Us 7500V										
K8G502D504KR50F6***	0.50	50.0	53.0	M6*8	61.0	2.2	25	1130	565	2000
K8G502D684KR50F8***	0.68	50.0	62.0	M8*8	61.0	1.7	25	1130	768	2000
K8G502D754KR50F8***	0.75	50.0	65.0	M8*8	61.0	1.6	25	1130	848	2000
K8G502D105KR50F8***	1.0	50.0	74.0	M8*8	61.0	1.3	25	1130	1130	2000
K8G502D1254KR50F8***	1.25	50.0	83.0	M8*8	61.0	1.1	25	1130	1413	2000
K8G502D155KR50F8***	1.5	50.0	90.0	M8*8	61.0	0.9	25	1130	1695	2000
K8G502D205KR50F8***	2.0	50.0	102.	M8*8	61.0	0.8	25	1130	2260	2000
U_{NDC} 6000 Vdc, Us 9000V										
K8G602D504KR64F6***	0.50	64.0	52.0	M6*8	77.0	2.7	25	1240	620	2400
K8G602D684KR64F8***	0.68	64.0	61.0	M8*8	77.0	2.1	25	1240	843	2400
K8G602D754KR64F8***	0.75	64.0	64.0	M8*8	77.0	1.9	25	1240	930	2400
K8G602D105KR64F8***	1.0	64.0	73.0	M8*8	77.0	1.5	25	1240	1240	2400
K8G602D1254KR64F8***	1.25	64.0	81.0	M8*8	77.0	1.3	25	1240	1550	2400
K8G602D155KR64F8***	1.5	64.0	89.0	M8*8	77.0	1.1	25	1240	1860	2400
K8G602D205KR64F8***	2.0	64.0	100.	M8*8	77.0	0.9	25	1240	2480	2400
K8G602D504KR90F6***	0.50	90.0	40.0	M6*8	100.0	5.0	25	950	475	2250
K8G602D684KR90F6***	0.68	90.0	46.0	M6*8	100.0	3.8	25	950	646	2250
K8G602D105KR90F6***	1.0	90.0	55.0	M6*8	100.0	2.7	25	950	950	2250
K8G602D155KR90F8***	1.5	90.0	66.0	M8*8	100.0	1.9	25	950	1425	2250
K8G602D205KR90F8***	2.0	90.0	76.0	M8*8	100.0	1.5	25	950	1900	2250
K8G602D225KR90F8***	2.2	90.0	80.0	M8*8	100.0	1.4	25	950	2090	2250
U_{NDC} 8000 Vdc, Us 12000V										
K8G802D334KR80F6***	0.33	80.0	49.0	M6*8	93.0	4.0	25	1430	472	3200
K8G802D504KR80F8***	0.50	80.0	60.0	M8*8	93.0	2.7	25	1430	715	3200
K8G802D684KR80F8***	0.68	80.0	70.0	M8*8	93.0	2.1	25	1430	972	3200
K8G802D754KR80F8***	0.75	80.0	73.0	M8*8	93.0	1.9	25	1430	1073	3200
K8G802D105KR80F8***	1.0	80.0	84.0	M8*8	93.0	1.5	25	1430	1430	3200
K8G802D1254KR80F8***	1.25	80.0	93.0	M8*8	93.0	1.3	25	1430	1788	3200
K8G802D155KR80F8***	1.5	80.0	102.	M8*8	93.0	1.1	25	1430	2145	3200
K8G802D504KR114F6***	0.50	114.0	45.0	M6*8	124.0	5.0	25	1100	550	3000
K8G802D684KR114F6***	0.68	114.0	52.0	M6*8	124.0	3.8	25	1100	748	3000
K8G802D824KR114F6***	0.82	114.0	57.0	M6*8	124.0	3.2	25	1100	902	3000
K8G802D105KR114F8***	1.0	114.0	63.0	M8*8	124.0	2.7	25	1100	1100	3000
K8G802D155KR114F8***	1.5	114.0	76.0	M8*8	124.0	1.9	25	1100	1650	3000

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				ESR @1.0KHz (mΩ)	Ls (nH)	Du/dt (v/us)	Ipeak (A)	Urms (VAC)
		L	D	Output	P					
U_{NDC} 10000 Vdc, Us 15000V										
K8G103D334KR98F6***	0.33	98.0	55.0	M6*8	109.0	4.0	25	1600	528	4000
K8G103D504KR98F8***	0.50	98.0	67.0	M8*8	109.0	2.7	25	1600	800	4000
K8G103D684KR98F8***	0.68	98.0	77.0	M8*8	109.0	2.1	25	1600	1088	4000
K8G103D754KR98F8***	0.75	98.0	81.0	M8*8	109.0	1.9	25	1600	1200	4000
K8G103D105KR98F8***	1.0	98.0	93.0	M8*8	109.0	1.5	25	1600	1600	4000
K8G103D1254KR98F8***	1.25	98.0	104.	M8*8	109.0	1.3	25	1600	2000	4000
K8G103D334KR140F6***	0.33	140.0	41.0	M6*8	148.0	7.4	25	1220	403	3750
K8G103D504KR140F6***	0.50	140.0	50.0	M6*8	148.0	5.0	25	1220	610	3750
K8G103D684KR140F6***	0.68	140.0	58.0	M6*8	148.0	3.8	25	1220	830	3750
K8G103D824KR140F8***	0.82	140.0	64.0	M8*8	148.0	3.2	25	1220	1000	3750
K8G103D105KR140F8***	1.0	140.0	70.0	M8*8	148.0	2.7	25	1220	1220	3750
K8G103D125KR140F8***	1.2	140.0	76.0	M8*8	148.0	2.3	25	1220	1464	3750
U_{NDC} 12000 Vdc, Us 18000V										
K8G123D224KR114F6***	0.22	114.0	49.0	M6*8	125.0	5.8	25	1750	385	4800
K8G123D334KR114F8***	0.33	114.0	60.0	M8*8	125.0	4.0	25	1750	578	4800
K8G123D504KR114F8***	0.50	114.0	73.0	M8*8	125.0	2.7	25	1750	875	4800
K8G123D684KR114F8***	0.68	114.0	84.0	M8*8	125.0	2.1	25	1750	1190	4800
K8G123D754KR114F8***	0.75	114.0	89.0	M8*8	125.0	1.9	25	1750	1313	4800
K8G123D105KR114F8***	1.0	114.0	102.	M8*8	125.0	1.5	25	1750	1750	4800
U_{NDC} 14000 Vdc, Us 21000V										
K8G143D154KR130F6***	0.15	130.0	45.0	M6*8	141.0	8.3	25	1890	284	5600
K8G143D224KR130F6***	0.22	130.0	53.0	M6*8	141.0	5.8	25	1890	416	5600
K8G143D334KR130F8***	0.33	130.0	64.0	M8*8	141.0	4.0	25	1890	624	5600
K8G143D504KR130F8***	0.50	130.0	79.0	M8*8	141.0	2.7	25	1890	945	5600
U_{NDC} 20000 Vdc, Us 30000V										
K8G203D683KR130F6***	0.068	130.0	45.0	M6*8	141.0	12.0	25	2320	158	6500
K8G203D104KR130F6***	0.10	130.0	54.0	M6*8	141.0	8.3	25	2320	232	6500
K8G203D154KR130F8***	0.15	130.0	65.0	M8*8	141.0	5.7	25	2320	348	6500
K8G203D224KR130F8***	0.22	130.0	79.0	M8*8	141.0	4.0	25	2320	510	6500

Remark: 1. *** Internal code.

2. Customization for special specification and requirement is available.