

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, filled by solid resin
Case 外壳材料	Aluminum case
Output 引出端	Threaded insert M6 or M8

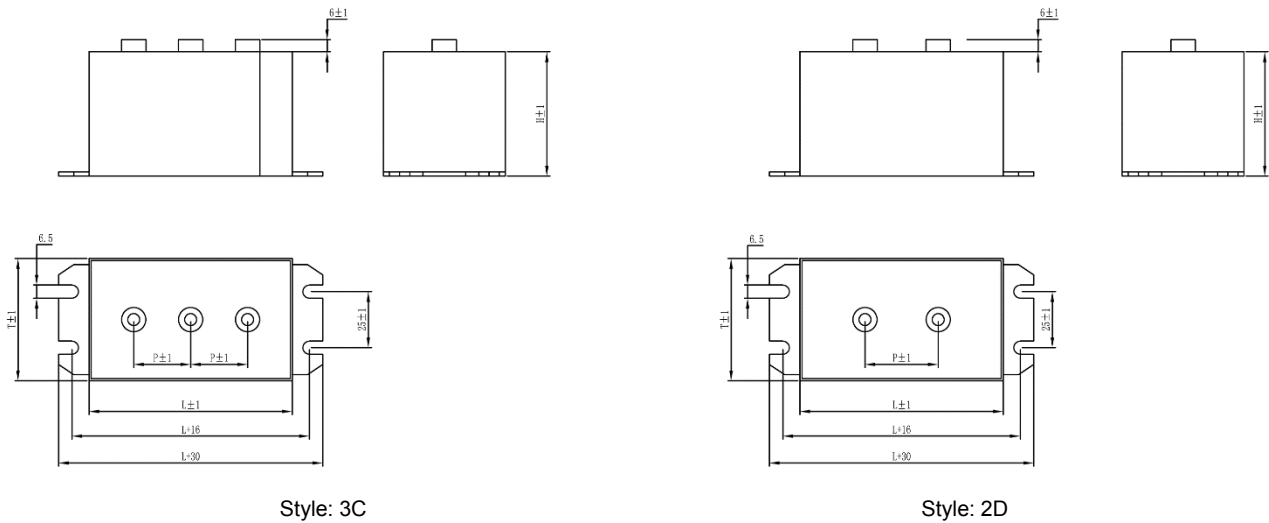
ELECTRICAL CHARACTERISTICS 电气特性

Operating temperature 工作温度范围	- 40 to + 85 °C
Capacitance range 容量范围	2 × (0.3~1.4) ; 0.6 to 1.35μF
Rated voltage range 额定电压	2000 to 3000 Vdc
Capacitance tolerance 容量偏差	± 5%, ± 10%
Dissipation factor 损耗角正切	≤ 7 × 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)
Output 引出端	Treaded insert M6 or M8

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)

OUTLINE DRAWING 外形图



HOW TO ORDER:

<u> K1D </u>	<u> 202D </u>	<u> 604 </u>	<u> K </u>	<u> S </u>	<u> F </u>	<u> 3C </u>	<u> *** </u>
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Shape:	Output:	Style:	Internal
K1D:	202D:2000Vdc	104: 0.1μF	J: ± 5%,	S: Square	F: Thread	3C, 2D	Code
AGD Series		105: 1.0μF	K: ± 10%		M: Lead screw		

ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Capacitance (μF)	Dimension				Du/dt (v/μs)	I _{max@45°C} 10KHz(A)	Output Insert
		L	T	H	P			
U _{NDC} 2000Vdc, Urms 750Vac								
K1D202D604KS#3C***	2 × 0.6	125.0	65.0	35.0	28.0	1000	2 × 45	3 × M6
K1D202D804KS#3C***	2 × 0.8	125.0	65.0	35.0	28.0	1000	2 × 50	3 × M6
K1D202D105KS#3C***	2 × 1.0	145.0	80.0	35.0	28.0	1000	2 × 60	3 × M6
K1D202D125KS#3C***	2 × 1.2	145.0	80.0	35.0	28.0	1000	2 × 65	3 × M6
K1D202D145KS#3C***	2 × 1.4	145.0	80.0	35.0	28.0	1000	2 × 70	3 × M6

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

2. Customization for special specification and requirement is available.

■ ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Capacitance (μF)	Dimension				Du/dt (v/μs)	Imax@45°C 10KHz(A)	Output Insert
		L	T	H	P			
U_{NDC} 3000Vdc, Urms 1200Vac								
K1D302D604KS#2D***	0.6	75.0	75.0	45.0	28.0	1500	60	2×M6
K1D302D804KS#2D***	0.8	125.0	65.0	45.0	28.0	1500	90	2×M6
K1D302D115KS#2D***	1.1	155.0	80.0	45.0	60.0	1500	100	2×M8
K1D302D1354KS#2D***	1.35	165.0	85.0	45.0	60.0	1500	120	2×M8
K1D302D304KS#3C***	2×0.3	125.0	65.0	45.0	28.0	1500	2×40	3×M6
K1D302D604KS#3C***	2×0.6	125.0	65.0	45.0	28.0	1500	2×50	3×M6
K1D302D754KS#3C***	2×0.75	145.0	75.0	45.0	28.0	1500	2×60	3×M6
K1D302D804KS#3C***	2×0.8	145.0	75.0	45.0	28.0	1500	2×65	3×M6
K1D302D904KS#3C***	2×0.9	155.0	80.0	45.0	28.0	1500	2×70	3×M8
K1D302D105KS#3C***	2×1.0	160.0	85.0	45.0	28.0	1500	2×70	3×M8
K1D302D125KS#3C***	2×1.2	175.0	90.0	45.0	28.0	1500	2×75	3×M8

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

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