■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
Case 外壳材料	Cylinder aluminum case
Output 引出端	Threaded insert M5 or M6, bolt available

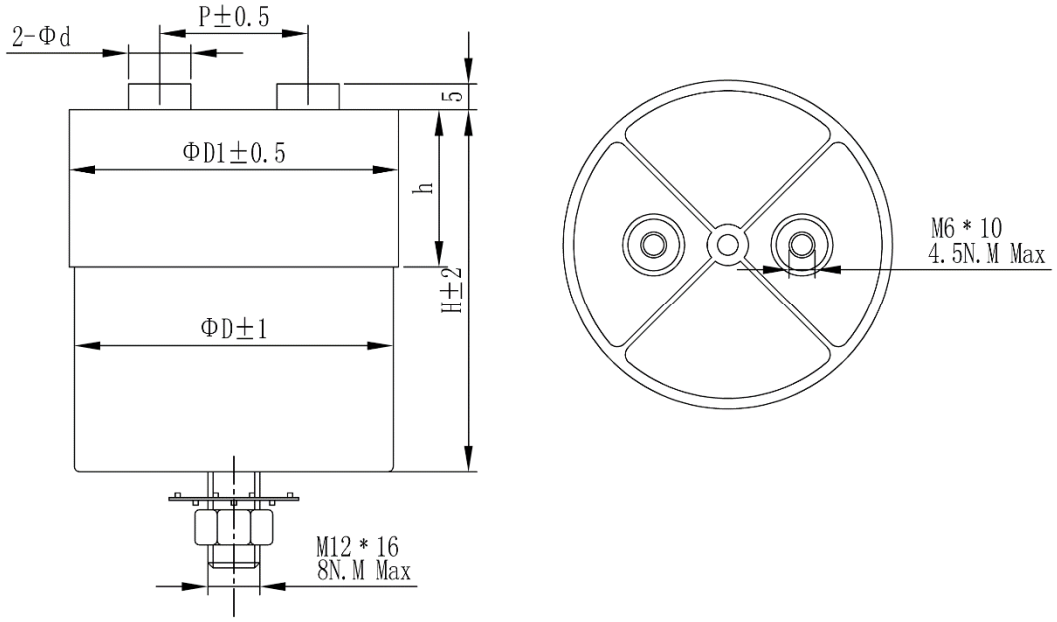
■ELECTRICAL CHARACTERISTICS 电气特性

Operating temperature 工作温度范围	- 40 to + 85 ℃
Capacitance range 容量范围	9 to 470 μF
Rated voltage range 额定电压	330 to 1400 Vac
Capacitance tolerance 容量偏差	± 5%, ± 10%
Dissipation factor 损耗角正切	≤2.0×10^{-3} Measured at 100 Hz and 20±5℃
Life expectancy 预期寿命	100,000 hours at Urms and 70 ℃(Hot-spot temperature)

■TEST METHODS AND PERFORMANCES 测试方法

Dielectric strength 介质强度	1.5×Urms applied to 10s at 20±5 ℃
Test voltage terminal to case 端壳耐压	3500VAC/50Hz for 10s
Insulation resistance(IR*C_N) 绝缘电阻	≥ 10000s but need not exceed 30GΩ, after 1 minute of electrification at 100VDC (20±5℃)

■OUTLINE DRAWING 外形图



D (mm)	D1 (mm)	d (mm)	P (mm)	h (mm)
60	63.5	12	28.6	10
86	89	12	32	35
116	119.5	15	50	40

■HOW TO ORDER:

K9P	551A	107	K	R	F	7	S	***
Series Code: K9P: AFP Series	Voltage: 551A: 550Vac 142A:1400Vac	Capacitance: 107: 100μF 106: 10μF 105: 1μF	Cap. Tol.: J: ± 5%, K: ± 10%	Shape: R: Round	Output: F: Thread M: Lead screw	Output Size: 5: M5*8 7: M6*10 9: M8*20	Installation Method: C: Clamp S: Stud mounting	Internal Code

■ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Capacitance (μF)	Dimension D	Dimension H	Dimension P	Imax @ 45℃ @10KHz (A)	ESR @1.0KHz (mΩ)	Rth (K/W)	Weight (Kg)
Urms 330Vac, Upeak 466V								
K9P331A476KR###***	47	60.0	70.0	28.6	25	2.7	7.5	0.3
K9P331A906KR###***	90	60.0	120.0	28.6	40	1.5	4.6	0.5
K9P331A107KR###***	100	86.0	70.0	32.0	40	1.4	5.3	0.6
K9P331A207KR###***	200	86.0	124.0	32.0	65	0.8	3.3	1.0
K9P331A257KR###***	250	86.0	144.0	32.0	65	0.9	2.9	1.1
K9P331A357KR###***	350	116.0	128.0	50.0	80	0.5	2.4	1.9
K9P331A407KR###***	400	116.0	128.0	50.0	80	0.5	2.4	1.8
K9P331A477KR###***	470	116.0	148.0	50.0	80	0.6	2.1	2.1
Urms 550Vac, Upeak 777V								
K9P551A406KR###***	40	86.0	70.0	32.0	40	2.3	5.3	0.5
K9P551A506KR###***	50	86.0	80.0	32.0	40	2.5	4.8	0.6
K9P551A806KR###***	80	86.0	124.0	32.0	60	1.3	3.3	0.9
K9P551A107KR###***	100	86.0	144.0	32.0	60	1.4	2.9	1.1
K9P551A157KR###***	150	116.0	128.0	50.0	75	0.9	2.4	1.8
K9P551A227KR###***	220	116.0	178.0	50.0	80	0.7	1.7	2.5
Urms 850Vac, Upeak 1200V								
K9P851A146KR###***	14	86.0	70.0	32.0	40	2.0	5.3	0.5
K9P851A306KR###***	30	116.0	120.0	32.0	40	3.3	3.5	0.9
K9P851A556KR###***	55	116.0	124.0	50.0	50	2.0	2.5	1.7
K9P851A606KR###***	60	86.0	226.0	32.0	65	1.8	1.8	1.6
K9P851A117KR###***	110	116.0	228.0	50.0	75	1.2	1.3	3.0
K9P851A167KR###***	160	136.0	230.0	50.0	80	0.9	1.1	4.1
Urms 1400Vac, Upeak 1980V								
K9P142A905KR###***	9	86.0	124.0	32.0	40	2.5	3.3	0.9
K9P142A116KR###***	11	86.0	144.0	32.0	40	2.9	2.9	1.1
K9P142A206KR###***	20	86.0	225.0	32.0	45	4.2	1.8	1.6
K9P142A226KR###***	22	116.0	148.0	50.0	60	1.5	2.1	2.0
K9P142A396KR###***	39	116.0	228.0	50.0	60	2.2	1.3	2.9
K9P142A556KR###***	55	136.0	230.0	50.0	70	1.7	1.1	3.9

Remark: 1. ### Output, output size, and installation method; *** Internal code.

2. Customization for special specification and requirement is available.