■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 UL94 V-0.
Output 引出端	Threaded insert M6, Lead screw M8

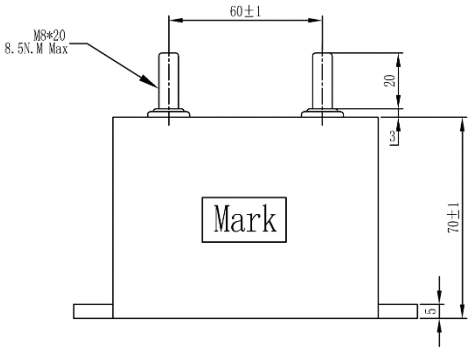
■ELECTRICAL CHARACTERISTICS 电气特性

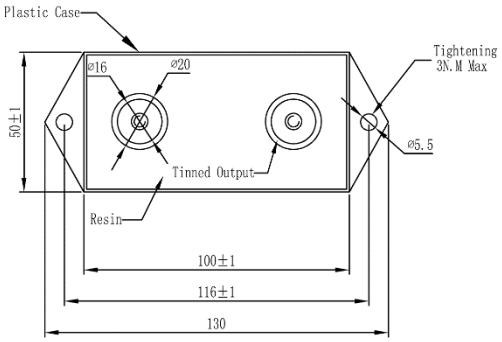
Operating temperature 工作温度范围	- 40 to + 85 ℃ (hotspot temperature)
Capacitance range 容量范围	0.04 to 10μF
Rated voltage range 额定电压	500 to 3000 Vac
Capacitance tolerance 容量偏差	± 5%, ± 10%
Dissipation factor 损耗角正切	≤5×10^{-4} Measured at 1000 Hz and 20±5℃
Life expectancy 预期寿命	100,000 hours at U_N and 70 ℃(Hot-spot temperature)

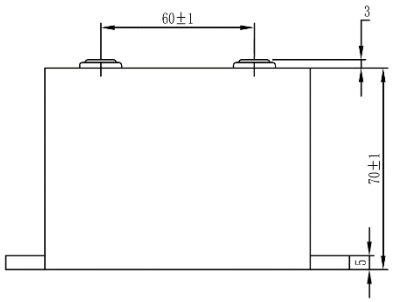
■TEST METHODS AND PERFORMANCES 测试方法

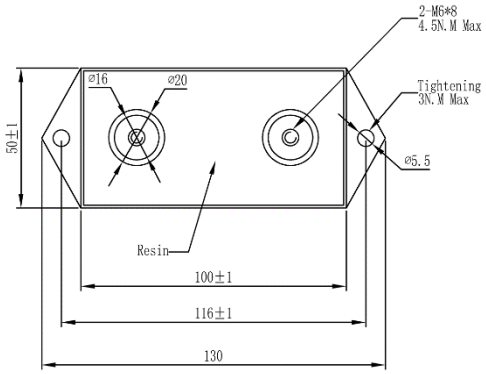
Dielectric strength 介质强度	1.5×Urms (AC) applied to 10s at 20±5 ℃
Test voltage terminal to case 端壳耐压	3KVAC/50Hz for 60s
Insulation resistance(IR*C_N) 绝缘电阻	≥ 5000s but need not exceed 30GΩ, after 1 minute of electrification at 100Vdc (20±5℃)

■OUTLINE DRAWING 外形图









■HOW TO ORDER:

K1T	501A	106	K	S	M	9	***
Series Code:	Voltage:	Capacitance:	Cap. Tol.:	Shape:	Output:	Output Size:	Internal
K1T:	101A: 100Vac	106: 10μF	J: ± 5%,	S: Square	F: Thread	6: M6*8	Code
AGT Series	102A: 1000Vac	105: 1.0μF	K: ± 10%		M: Lead screw	9: M8*20	
		104: 0.1μF					

■ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

Part Number	Capacitance (μF)	Imax@45℃ 10KHz(A)	Du/dt (v/μs)	Ipeak (A)	ESR@10KHz (mΩ)
Up-peak 500Vac, Urms 250Vac					
K1T501A106KS##***	10	100	240	2400	1.9
K1T501A755KS##***	7.5	100	250	1857	2.3
Up-peak 750Vac Urms 350Vac					
K1T751A685KS##***	6.8	100	300	2040	2.3
K1T751A505KS##***	5.0	100	300	1500	2.3
Up-peak 1000Vac Urms 400Vac					
K1T102A475KS##***	4.7	100	460	2162	1.9
K1T102A335KS##***	3.3	100	470	1551	2.3
K1T102A155KS##***	1.5	90	1010	1515	2.3
K1T102A105KS##***	1.0	90	1390	1390	2.5
Up-peak 1500Vac Urms 550Vac					
K1T152A105KS##***	1.0	80	590	590	4.8
K1T152A684KS##***	0.68	75	920	626	5.2
K1T152A604KS##***	0.60	75	920	552	5.5
Up-peak 2000Vac Urms 750Vac					
K1T202A105KS##***	1.0	70	590	590	4.8
K1T202A684KS##***	0.68	70	660	449	5.2
Up-peak 2000Vac Urms 750Vac					
K1T202A474KS##***	0.47	60	1230	578	5.5
K1T202A334KS##***	0.33	60	1350	446	5.8
Up-peak 3000Vac Urms 1000Vac					
K1T302A244KS##***	0.24	50	1960	470	6.2
K1T302A154KS##***	0.15	45	2950	443	6.7
K1T302A124KS##***	0.12	40	3350	402	7.3
K1T302A104KS##***	0.10	40	3350	335	7.5
K1T302A603KS##***	0.06	30	4740	284	13.5
K1T302A403KS##***	0.04	30	4740	190	15.2

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

2. Customization for special specification and requirement is available.