## ■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, three-phase, delta connected |
| Case 外壳材料 | Aluminum case |
| Output 引出端 | Threaded insert M6, bolt available |

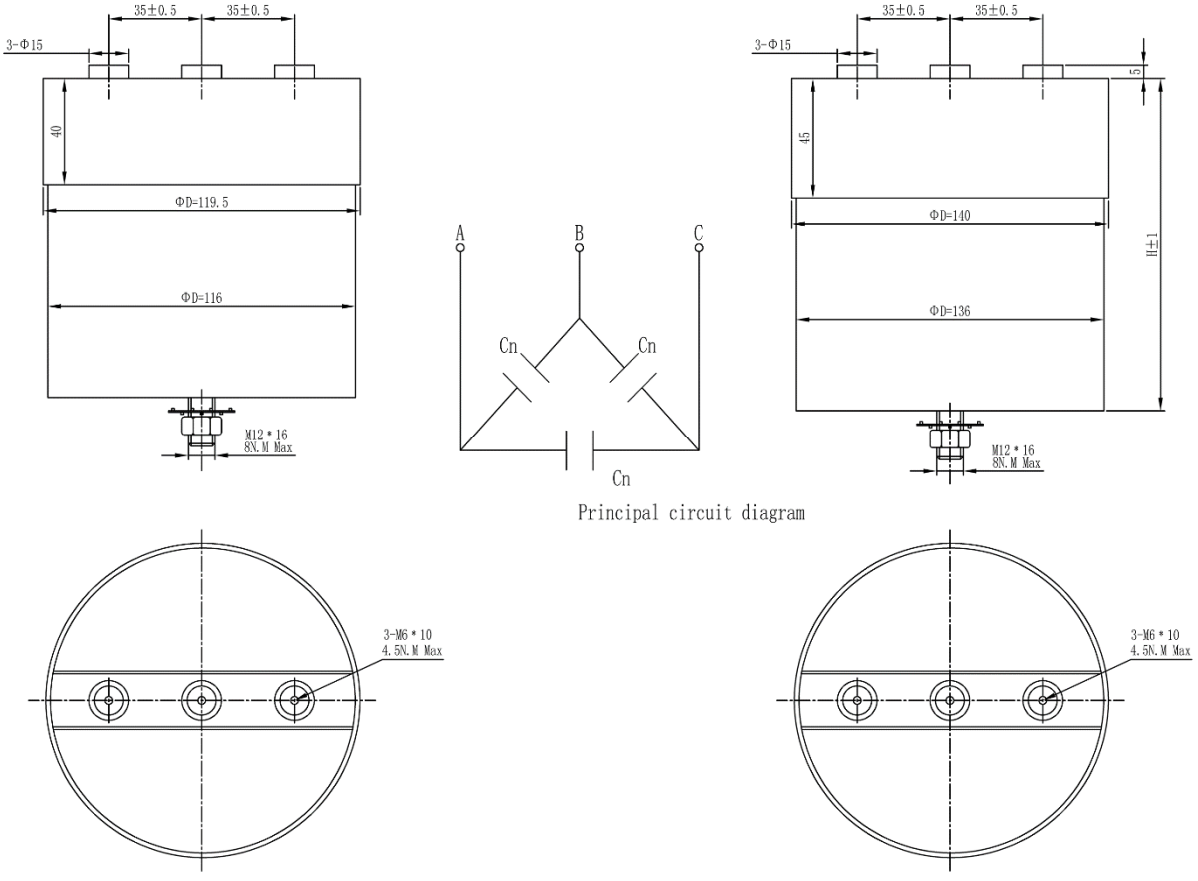
## ■ELECTRICAL CHARACTERISTICS 电气特性

| | |
|---|---|
| Operating temperature 工作温度范围 | - 40 to + 85 ℃ |
| Capacitance range 容量范围 | 3x23 to 3x200 μF |
| Rated voltage range 额定电压 | 450 to 850 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



## ■HOW TO ORDER:

| K9T | 451A | 107 | K | R | F | 7 | S | *** |
|---|---|---|---|---|---|---|---|---|
| Series Code: | Voltage: | Capacitance: | Cap. Tol.: | Shape: | Output: | Output | Installation Method: | Internal |
| K9T: | 451A: 450Vac | 107: 100μF | J: ± 5%, | R: Round | F: Thread | Size: | C: Clamp | Code |
| AFT Series | | 1356: 135μF | K: ± 10% | | M: Lead screw | 7: M6*10 | S: Stud mounting | |
| | | 106: 10μF | | | | 9: M8*20 | | |

## ■ELECTRICAL SPECIFICATION 规格型号参考

Unit: mm

| Part Number | Capacitance (μF) | Dimension | | Ipeak (KA) | Imax@45℃ @10KHz (A) | ESR@1.0 KHz (mΩ) | Ls (nH) | Rth (K/W) | Weight (Kg) |
|---|---|---|---|---|---|---|---|---|---|
| | | D | H | | | | | | |
| **$U_N$ 640Vac, Urms 450V** | | | | | | | | | |
| K9T451A107KR###**** | 3×100 | 116.0 | 185.0 | 2.1 | 3×50 | 3×1.1 | 50 | 1.7 | 3.50 |
| K9T451A127KR###*** | 3×120 | 116.0 | 185.0 | 2.5 | 3×55 | 3×1.0 | 50 | 1.7 | 3.44 |
| K9T451A1356KR###*** | 3×135 | 116.0 | 185.0 | 2.8 | 3×60 | 3×0.9 | 50 | 1.7 | 3.40 |
| K9T451A157KR###*** | 3×150 | 116.0 | 185.0 | 3.2 | 3×65 | 3×0.8 | 50 | 1.7 | 3.36 |
| K9T451A187KR###*** | 3×180 | 136.0 | 185.0 | 3.8 | 3×70 | 3×0.8 | 50 | 1.4 | 4.70 |
| K9T451A207KR###*** | 3×200 | 136.0 | 185.0 | 4.2 | 3×75 | 3×0.7 | 50 | 1.4 | 4.64 |
| **$U_N$ 777Vac, Urms 550V** | | | | | | | | | |
| K9T551A506KR###*** | 3×50 | 116.0 | 185.0 | 3.0 | 3×50 | 3×1.4 | 50 | 1.7 | 3.3 |
| K9T551A107KR###*** | 3×100 | 136.0 | 185.0 | 5.0 | 3×60 | 3×1.2 | 50 | 1.5 | 3.8 |
| K9T551A1376KR###*** | 3×137 | 136.0 | 230.0 | 3.9 | 3×80 | 3×1.0 | 50 | 1.3 | 4.3 |
| K9T551A207KR###*** | 3×200 | 136.0 | 340.0 | 8.0 | 3×80 | 3×1.1 | 50 | 1.3 | 6.0 |
| **$U_N$ 1200Vac, Urms 850V** | | | | | | | | | |
| K9T851A236KR###*** | 3×23 | 116.0 | 215.0 | 2.3 | 3×50 | 3×1.2 | 50 | 1.4 | 2.9 |
| K9T851A256KR###*** | 3×25 | 116.0 | 215.0 | 2.5 | 3×55 | 3×1.1 | 50 | 1.4 | 2.9 |
| K9T851A276KR###*** | 3×27 | 116.0 | 215.0 | 2.7 | 3×55 | 3×1.1 | 50 | 1.4 | 2.8 |
| K9T851A3345KR###*** | 3×33.4 | 136.0 | 215.0 | 3.3 | 3×65 | 3×0.9 | 50 | 1.1 | 3.8 |
| K9T851A4155KR###*** | 3×41.5 | 136.0 | 260.0 | 3.8 | 3×65 | 3×1.1 | 60 | 0.9 | 4.7 |
| K9T851A506KR###*** | 3×50 | 136.0 | 260.0 | 4.0 | 3×70 | 3×0.9 | 60 | 0.9 | 4.6 |

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

2. Customization for special specification and requirement is available.