

T3 通用型干式电容 (轴向)

GENERAL PURPOSE CAPACITOR__T3 (AXIAL TYPE)

主要特点

- 可承受高频波电流
- 损耗小, 内部温升低
- 可靠性高, 使用寿命长
- 无极性

Highlight Features

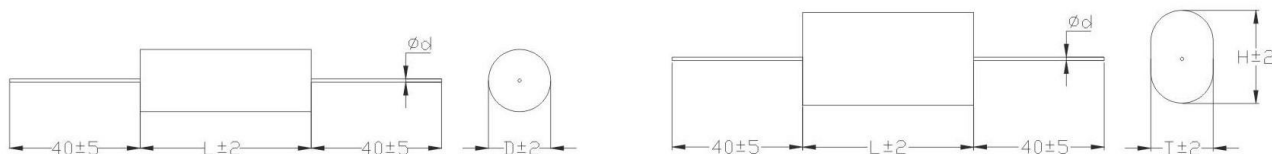
- High ripple current rating
- High peak current rating
- High reliability and life expectancy
- Non-polar



技术参数 Parameters

| | |
|--|--|
| 容量范围 Rated Capacitance | 0.22 μ F ~ 50 μ F |
| 额定电压 Rated Voltage | 250VDC ~ 850VDC; 160Vrms~450Vrms |
| 容量偏差 Tolerance | $\pm 10\%$ (standard), $\pm 5\%$ (upon request) |
| 电介质 Dielectric | Metallized polypropylene |
| 介质损耗 Dissipation factor | $\tan \delta \leq 0.0005$ (100Hz, 25°C) |
| 时间常数 Insulation resistor (RC) | 30,000s but need not exceed 30G Ω after 1 minute of electrification at 100Vdc (25°C) |
| 运行温度 Operating temperature (T_{min}/T_{max}) | -40°C ~ +85°C (max. $T_{hs} \leq 70^\circ\text{C}$) |
| 预期寿命 Life expectancy | 100,000 hours at U_n and $T_{hs} \leq 70^\circ\text{C}$ |
| 极间耐压 Test voltage between terminals | 1.5Un dc / 10s at 25°C |
| 极壳耐压 Test voltage terminal to case | 3kVAC / 60s 50Hz at 25°C |
| 过电压 Permitted overvoltage | 1.1Urms : 30% of service life; 1.15Urms: 30min/day; 1.2Urms: 5min/day; 1.3Urms: 1min/day; 1.5Urms: 100ms no more than 1000 times |
| 封装 Coating | Dry type; Polyester tape wrapping; UL94V-0 resin end fill |
| 引出 Leads | Tinned copper wire |
| 参考标准 Reference standards | IEC61071, UL94V-0 |

外观尺寸 Outline Drawing





常用规格选型表 General Specifications Table

| Part Number | Cap(μF) | Dimension(mm) | | | | | du/dt(v/μs) | IpeakA | Irmsmax.(A) | ESR(mΩ) |
|-------------------------------------|---------|---------------|------|------|------|-----|-------------|--------|-------------|---------|
| | | L | D | T | H | d | | | | |
| Un=250Vdc, Upk=400Vdc, Urms=160Vac | | | | | | | | | | |
| T3SY250-2.0 | 2.0 | 32 | 11.8 | 7.7 | 14.1 | 0.8 | 40 | 80 | 5 | 17.2 |
| T3SY250-6.8 | 6.8 | 32 | 20.1 | 15.2 | 23.2 | 1.0 | 40 | 272 | 9 | 5.5 |
| T3SY250-10 | 10 | 44 | 24.0 | 19.0 | 27.0 | 1.0 | 40 | 400 | 9 | 3.9 |
| T3SY250-30 | 30.0 | 44 | 33.3 | 26.7 | 37.9 | 1.2 | 25 | 750 | 12 | 2.7 |
| T3SY250-33 | 33 | 57 | 28.7 | 22.2 | 33.4 | 1.2 | 15 | 495 | 12 | 4.4 |
| T3SY250-50 | 50.0 | 57 | 35.1 | 28.4 | 39.6 | 1.2 | 15 | 750 | 12 | 3.1 |
| Un=330Vdc, Upk=500Vdc, Urms=200Vac | | | | | | | | | | |
| T3SY330-1.5 | 1.5 | 32 | 12.6 | 8.5 | 14.9 | 0.8 | 45 | 68 | 6 | 18.2 |
| T3SY330-5.0 | 5.0 | 32 | 21.4 | 16.5 | 24.5 | 1.0 | 45 | 225 | 9 | 5.9 |
| T3SY330-6.8 | 6.8 | 44 | 20.5 | 15.6 | 23.6 | 1.0 | 30 | 204 | 9 | 8.0 |
| T3SY330-15 | 15.0 | 44 | 29.7 | 23.1 | 34.3 | 1.2 | 30 | 450 | 12 | 4 |
| T3SY330-20 | 20 | 57 | 28.1 | 21.5 | 32.7 | 1.2 | 20 | 400 | 12 | 5.6 |
| T3SY330-40 | 40.0 | 57 | 39.1 | 32.4 | 43.6 | 1.2 | 20 | 800 | 12 | 3.1 |
| Un=400Vdc, Upk=600Vdc, Urms=250Vac | | | | | | | | | | |
| T3SY400-0.68 | 0.68 | 32 | 10.7 | 6.6 | 13 | 0.8 | 55 | 37 | 5.5 | 32.2 |
| T3SY400-4.0 | 4.0 | 32 | 22.9 | 18.0 | 26.0 | 1.0 | 55 | 220 | 9 | 6.1 |
| T3SY400-4.7 | 4.7 | 44 | 20.5 | 15.6 | 23.6 | 1 | 40 | 188 | 9 | 9.5 |
| T3SY400-10 | 10.0 | 44 | 29.2 | 22.6 | 33.8 | 1.2 | 40 | 400 | 12 | 4.8 |
| T3SY400-15 | 15 | 57 | 29.2 | 22.6 | 33.8 | 1.2 | 25 | 375 | 12 | 6.1 |
| T3SY400-25 | 25.0 | 57 | 37.2 | 30.5 | 41.7 | 1.2 | 25 | 625 | 12 | 3.9 |
| Un=600Vdc, Upk=800Vdc, Urms=330Vac | | | | | | | | | | |
| T3SY600-0.5 | 0.5 | 32 | 11.7 | 7.6 | 14.0 | 0.8 | 75 | 35 | 5 | 34.5 |
| T3SY600-2.2 | 2.2 | 32 | 17.7 | 18.7 | 25.1 | 1.0 | 75 | 165 | 9 | 8.1 |
| T3SY600-2.5 | 2.5 | 44 | 18.8 | 14.0 | 21.5 | 1.0 | 55 | 138 | 9 | 13.1 |
| T3SY600-4.0 | 4.0 | 44 | 23.3 | 18.5 | 26.0 | 1.0 | 55 | 220 | 12 | 9.6 |
| T3SY600-4.7 | 4.7 | 57 | 22.3 | 17.3 | 25.3 | 1.2 | 40 | 188 | 11 | 7.3 |
| T3SY600-15 | 15.0 | 57 | 38.5 | 31.8 | 43.0 | 1.2 | 40 | 600 | 12 | 5.8 |
| Un=750Vdc, Upk=1000Vdc, Urms=400Vac | | | | | | | | | | |
| T3SY750-0.2 | 0.2 | 32 | 10.5 | 6.4 | 12.8 | 0.8 | 105 | 23 | 4 | 56.2 |
| T3SY750-1.0 | 1.0 | 32 | 19.6 | 14.7 | 22.7 | 1.0 | 70 | 105 | 9 | 13.6 |
| T3SY750-1.2 | 1.2 | 44 | 17.8 | 12.9 | 20.9 | 1.0 | 70 | 84 | 9 | 21.1 |
| T3SY750-4.0 | 4.0 | 44 | 30.8 | 24.3 | 35.5 | 1.2 | 70 | 280 | 12 | 6.9 |
| T3SY750-4.7 | 4.7 | 57 | 27.5 | 21.0 | 32.2 | 1.2 | 45 | 212 | 12 | 11.1 |
| T3SY750-10 | 10.0 | 57 | 39.4 | 32.6 | 43.8 | 1.2 | 45 | 450 | 12 | 5.6 |
| Un=850Vdc, Upk=1200Vdc, Urms=450Vac | | | | | | | | | | |
| T3SY850-0.3 | 0.3 | 32 | 14.3 | 10.2 | 16.6 | 0.8 | 200 | 66 | 7 | 32.2 |
| T3SY850-1.0 | 1.0 | 32 | 23.2 | 18.3 | 26.3 | 1.2 | 200 | 200 | 12 | 11.5 |
| T3SY850-1.5 | 1.5 | 44 | 23.2 | 18.3 | 26.3 | 1.2 | 110 | 165 | 12 | 14.3 |
| T3SY850-2.5 | 2.5 | 44 | 29.5 | 22.9 | 34.1 | 1.2 | 110 | 275 | 12 | 8.9 |
| T3SY850-2.5 | 2.5 | 57 | 24.4 | 19.4 | 27.4 | 1.2 | 55 | 138 | 12 | 16.9 |
| T3SY850-3.0 | 3.0 | 57 | 26.5 | 21.6 | 29.6 | 1.2 | 55 | 165 | 12 | 14.2 |

注：特殊规格，可按客户需求定制。

Note: Customized products are available upon request.