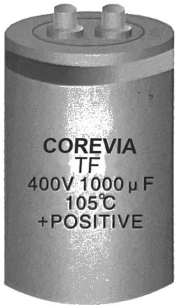


TF 螺栓型长寿命品

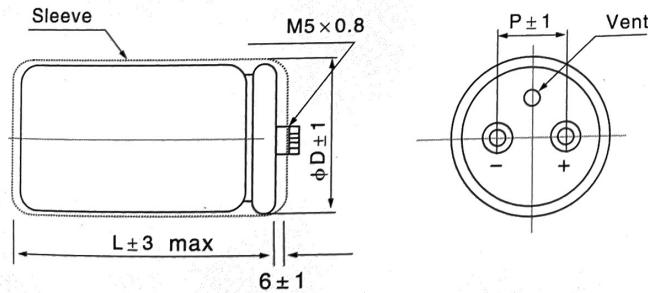
小体积,高耐压,容量和纹波电流,具有稳定可靠性能。  
Small case size,high rated voltage,capactiance and ripplecurrent,stable and reliable performance,forming complete sets of unclear electric station.  
适用于工业和电子设备，如计算机、程控交换机等的滤波和储能中。  
Suit for use in electronic and industrial equipments suchas computer,programming control exchanger for power supplies filtering and energy storing.



Specifications

| 项目 Items                               | 特性 Characteristics                                                                                                   |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 工作温度范围 Operating temperature range     | -40℃~+105℃                                                                                                           |
| 额定电压范围 Rated voltage range             | 350V~450V DC                                                                                                         |
| 静电容量范围 Nominal capacitance range       | 1000 μ F~15000 μ F                                                                                                   |
| 静电容量误差 Capacitance toletance           | ±20% (120Hz · 20℃)                                                                                                   |
| 漏电流 ( 20℃ ) Leakage current(20℃)       | I≤0.02CV or 5 mA after 5 minute (whichever is greater)<br>I: Leakage current C: Normanl capacitance V: Rated voltage |
| 损耗角正切 Dissipation factor (120Hz · 20℃) | less than 0.15                                                                                                       |
| 高温负荷特性 Load Life                       | After applying rated for 5000 hours at 105℃ then resumed 16 hours:                                                   |
|                                        | Capacitance change Within ±20% of the initial measured value                                                         |
|                                        | tg δ ≤200% of the initial specified value                                                                            |
|                                        | Leakage current ≤initial specified value                                                                             |
| 高温贮存特性 Shelf Life                      | After storage for 1000 hours at 105℃ then resumed 16 hours:                                                          |
|                                        | Capacitance change Within ±20% of the initial measured value                                                         |
|                                        | tg δ ≤200% of the initial specified value                                                                            |
|                                        | Leakage current ≤initial specified value                                                                             |

Diagram of Dimensions(mm)



|     |    |      |      |      |
|-----|----|------|------|------|
| φ D | 51 | 64   | 77   | 90   |
| F   | 22 | 28.2 | 31.4 | 31.4 |

Multiplier for Ripple Current vs. Frequency:

|           |     |      |      |      |      |
|-----------|-----|------|------|------|------|
| Frequency | 50  | 120  | 300  | 1K   | ≥10K |
| Factor    | 0.8 | 1.00 | 1.10 | 1.30 | 1.40 |

Multiplier for Ripple Current vs. Temperature:

|              |      |      |      |      |
|--------------|------|------|------|------|
| Temperature℃ | 40   | 60   | 85   | 105  |
| Factor       | 2.44 | 2.16 | 2.00 | 1.00 |

TF 螺栓型长寿命品

Standard Ratings

| Rated Voltage<br>(V.DC) | Surge Voltage<br>(V.DC) | Rated Capacitance<br>(μF) | MAX ESR<br>20℃ 120HZ (MΩ) | Dissipation Factor<br>MAX | Ripple Current<br>105℃ 120HZ(Arms) | Outline Size |             |
|-------------------------|-------------------------|---------------------------|---------------------------|---------------------------|------------------------------------|--------------|-------------|
|                         |                         |                           |                           |                           |                                    | Code         | φ D × L(mm) |
| 350                     | 400                     | 1000                      | 259                       | 0.15                      | 3.9                                | C8R          | 51 × 75     |
|                         |                         | 1200                      | 215                       | 0.15                      | 4.2                                | C8R          | 51 × 75     |
|                         |                         | 1500                      | 172.0                     | 0.15                      | 5.2                                | C10R         | 51 × 96     |
|                         |                         | 1800                      | 143.0                     | 0.15                      | 5.7                                | C10R         | 51 × 96     |
|                         |                         | 2200                      | 117.0                     | 0.15                      | 7.1                                | C13R         | 51 × 130    |
|                         |                         | 2700                      | 96.0                      | 0.15                      | 7.7                                | D10R         | 64 × 96     |
|                         |                         | 3300                      | 78.0                      | 0.15                      | 9.1                                | D12R         | 64 × 115    |
|                         |                         | 3900                      | 66.0                      | 0.15                      | 10.4                               | D13R         | 64 × 130    |
|                         |                         | 4700                      | 55.0                      | 0.15                      | 12.2                               | D16R         | 64 × 155    |
|                         |                         |                           | 55.0                      | 0.15                      | 11.5                               | E12R         | 77 × 115    |
|                         |                         | 5600                      | 46.0                      | 0.15                      | 14.6                               | D20R         | 64 × 195    |
|                         |                         |                           | 46.0                      | 0.15                      | 13.1                               | E13R         | 77 × 130    |
|                         |                         | 6800                      | 38.0                      | 0.15                      | 15.5                               | E16R         | 77 × 155    |
|                         |                         | 8200                      | 31.0                      | 0.15                      | 18.1                               | F16R         | 90 × 157    |
|                         |                         | 10000                     | 26.0                      | 0.15                      | 19.9                               | F16R         | 90 × 157    |
|                         |                         | 12000                     | 22.0                      | 0.15                      | 23.8                               | F20R         | 90 × 196    |
|                         |                         | 15000                     | 17.0                      | 0.15                      | 28.8                               | F24R         | 90 × 236    |
| 400                     | 450                     | 1000                      | 215.0                     | 0.15                      | 3.9                                | C8R          | 51 × 75     |
|                         |                         | 1200                      | 179                       | 0.15                      | 4.6                                | C10R         | 51 × 96     |
|                         |                         | 1500                      | 143.0                     | 0.15                      | 5.6                                | D12R         | 51 × 115    |
|                         |                         | 1800                      | 119.0                     | 0.15                      | 6.4                                | D13R         | 51 × 130    |
|                         |                         | 2200                      | 98.0                      | 0.15                      | 6.9                                | D10R         | 64 × 96     |
|                         |                         | 2700                      | 80.0                      | 0.15                      | 8.2                                | D12R         | 64 × 115    |
|                         |                         | 3300                      | 65.0                      | 0.15                      | 9.5                                | D13R         | 64 × 130    |
|                         |                         | 3900                      | 55.0                      | 0.15                      | 11.1                               | D16R         | 64 × 155    |
|                         |                         |                           | 55.0                      | 0.15                      | 10.4                               | E16R         | 77 × 115    |
|                         |                         | 4700                      | 46.0                      | 0.15                      | 13.4                               | D20R         | 64 × 195    |
|                         |                         |                           | 46.0                      | 0.15                      | 12.0                               | E13R         | 77 × 130    |
|                         |                         | 5600                      | 39.0                      | 0.15                      | 14.6                               | D20R         | 64 × 195    |
|                         |                         |                           | 39.0                      | 0.15                      | 14.0                               | E16R         | 77 × 155    |
|                         |                         | 6800                      | 32.0                      | 0.15                      | 16.5                               | F16R         | 90 × 157    |
|                         |                         | 8200                      | 26.0                      | 0.15                      | 18.1                               | F16R         | 90 × 157    |
|                         |                         | 10000                     | 22.0                      | 0.15                      | 21.7                               | F20R         | 90 × 196    |
|                         |                         | 12000                     | 18.0                      | 0.15                      | 25.8                               | F24R         | 90 × 236    |
| 450                     | 500                     | 1000                      | 215.0                     | 0.15                      | 4.2                                | C10R         | 51 × 96     |
|                         |                         | 1200                      | 179.0                     | 0.15                      | 5.0                                | C12R         | 51 × 115    |
|                         |                         | 1500                      | 143.0                     | 0.15                      | 5.90                               | C13R         | 51 × 130    |
|                         |                         | 1800                      | 119.0                     | 0.15                      | 6.3                                | D10R         | 64 × 96     |
|                         |                         | 2200                      | 98.0                      | 0.15                      | 7.4                                | D12R         | 64 × 115    |
|                         |                         | 2700                      | 80.0                      | 0.15                      | 8.6                                | D13R         | 64 × 130    |
|                         |                         |                           | 80.0                      | 0.15                      | 8.7                                | E12R         | 77 × 115    |
|                         |                         | 3300                      | 65.0                      | 0.15                      | 10.2                               | D16R         | 64 × 155    |
|                         |                         |                           | 65.0                      | 0.15                      | 10.1                               | E13R         | 77 × 130    |
|                         |                         | 3900                      | 55.0                      | 0.15                      | 12.3                               | D20R         | 64 × 195    |
|                         |                         | 4700                      | 46.0                      | 0.15                      | 12.9                               | E16R         | 77 × 155    |
|                         |                         | 5600                      | 38.0                      | 0.15                      | 15.4                               | E20R         | 77 × 195    |
|                         |                         |                           | 38.0                      | 0.15                      | 14.9                               | F16R         | 90 × 157    |
|                         |                         | 6800                      | 32.0                      | 0.15                      | 18.0                               | F20R         | 90 × 196    |
|                         |                         | 8200                      | 27.0                      | 0.15                      | 19.8                               | F20R         | 90 × 196    |
|                         |                         | 1000                      | 22.0                      | 0.15                      | 23.6                               | F24R         | 90 × 236    |