

## SF series



### Features

- ★ 长寿命品
- ★ 105°C 5000Hrs

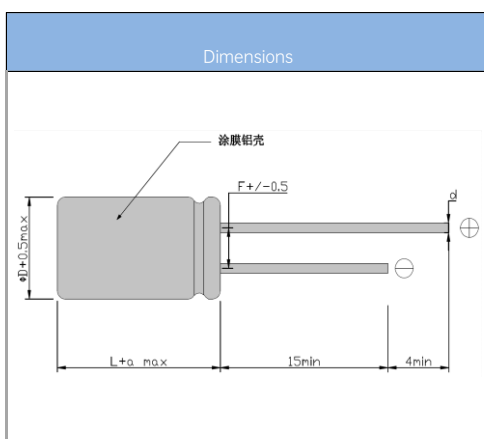


### Specifications

| item                                                 | Performance Characteristics                                                      |                                        |
|------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------|
| Operating Temperature Range                          | -55~+105°C                                                                       |                                        |
| Rated Voltage Range                                  | 2.5~100vdc                                                                       |                                        |
| Capacitance Tolerance                                | ±20%(120Hz,+20°C)                                                                |                                        |
| Leakage Current(+20°C,max)                           | ≤0.2CV or 500uA whichever is greater (After rated voltage applied for 2 minutes) |                                        |
| Dissipation Factor(tanδ,at 20°C,120Hz)               | Not exceed the value specified                                                   |                                        |
| ESR(100KHz)                                          | Not exceed the value specified                                                   |                                        |
| Endurance<br>105°C,5000h,at rated voltage            | Capacitance Change                                                               | Within ±20% of the value before test   |
|                                                      | Leakage Current                                                                  | Not exceed the value specified         |
|                                                      | ESR                                                                              | Not exceed 150% of the value specified |
|                                                      | Dissipation Factor                                                               | Not exceed 150% of the value specified |
| Moisture Resistance<br>Stored at 60°C,RH90~95%,1000h | Capacitance Change                                                               | Within ±20% of the value before test   |
|                                                      | Leakage Current                                                                  | Not exceed the value specified         |
|                                                      | ESR                                                                              | Not exceed 150% of the value specified |
|                                                      | Dissipation Factor                                                               | Not exceed 150% of the value specified |

### Frequency Coefficient for Ripple Current

| Frequency   | 120Hz≤freq. < 1KHz | 1KHz≤freq. < 10KHz | 10KHz≤freq. < 100KHz | 100KHz≤freq. < 300KHz |
|-------------|--------------------|--------------------|----------------------|-----------------------|
| Coefficient | 0.05               | 0.3                | 0.7                  | 1                     |



### Size

Unit: mm

| ΦDXL      | ΦD+0.5 max. | a | F±0.5 | Φd±0.05 |  |
|-----------|-------------|---|-------|---------|--|
| 5X5-18    | 5           | 1 | 2     | 0.5     |  |
| 5.5X5-18  | 5.5         | 1 | 2.5   | 0.5     |  |
| 6.3X5-9   | 6.3         | 1 | 2.5   | 0.5/0.6 |  |
| 6.3X11-20 | 6.3         | 1 | 2.5   | 0.6     |  |
| 8X7P-15P  | 8           | 1 | 2.5   | 0.6     |  |
| 8X7-20    | 8           | 1 | 3.5   | 0.6     |  |
| 10X10-20  | 10          | 1 | 5     | 0.6     |  |

| 料号             | 规格                | 系列 | WV | CAP | LC   | DF | ESR | RIPPLE | SIZE     |
|----------------|-------------------|----|----|-----|------|----|-----|--------|----------|
| SF337M016E1100 | SF16V330 6.3X11   | SF | 16 | 330 | 1000 | 8  | 16  | 4100   | 6.3X11   |
| SF477M016E1150 | SF16V470 6.3X11.5 | SF | 16 | 470 | 1000 | 8  | 16  | 4100   | 6.3X11.5 |