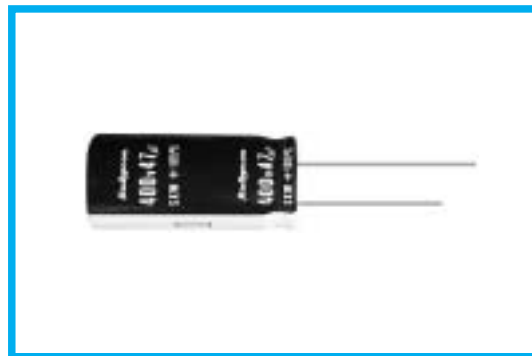


**SXW SERIES**
**105°C Overvoltage Vent Operation Facility,  
Lead Wire Type**
**◆FEATURES**

- Load Life : 105°C 2000 hours.
- Body diameter of  $\phi$  10mm to  $\phi$  18mm with high ripple current capability.
- This series has specification of vent operation in overvoltage situation. Please consult us for any further details.
- RoHS compliance.


**◆SPECIFICATIONS**

| Items                                      | Characteristics  |                    |                                   |                    |  |                  |                                    |   |
|--|--|--------------------|-----------------------------------|--------------------|--|------------------|------------------------------------|---|
| Category Temperature Range                 | -25~+105°C   |                    |                                   |                    |  |                  |                                    |   |
| Rated Voltage Range                        | 200 · 400V.DC  |                    |                                   |                    |  |                  |                                    |   |
| Capacitance Tolerance                      | ±20% (20°C, 120Hz)   |                    |                                   |                    |  |                  |                                    |   |
| Leakage Current(MAX)                       | $I=3\sqrt{CV}$ (After 5 minutes application of rated voltage)<br>I=Leakage Current( $\mu$ A)      C=Rated Capacitance( $\mu$ F)      V=Rated Voltage(V)  |                    |                                   |                    |  |                  |                                    |   |
| Dissipation Factor(MAX)<br>(tan $\delta$ ) | 0.15 (20°C, 120Hz)   |                    |                                   |                    |  |                  |                                    |   |
| Impedance Ratio(MAX)                       | <table border="1"> <tr> <td>Rated Voltage (V)</td> <td>200</td> <td>400</td> <td rowspan="2">(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>3</td> <td>8</td> </tr> </table>  | Rated Voltage (V)  | 200                               | 400                | (120Hz)                                    | Z(-25°C)/Z(20°C) | 3                                  | 8 |
| Rated Voltage (V)                          | 200  | 400                | (120Hz)                           |                    |  |                  |                                    |   |
| Z(-25°C)/Z(20°C)                           | 3  | 8                  |                                   |                    |  |                  |                                    |   |
| Endurance                                  | After applying rated voltage with rated ripple current for 2000 hrs at 105°C, the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value.</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value.</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value.</td> </tr> </table> | Capacitance Change | Within ±20% of the initial value. | Dissipation Factor | Not more than 200% of the specified value. | Leakage Current  | Not more than the specified value. |   |
| Capacitance Change                         | Within ±20% of the initial value.  |                    |                                   |                    |  |                  |                                    |   |
| Dissipation Factor                         | Not more than 200% of the specified value.   |                    |                                   |                    |  |                  |                                    |   |
| Leakage Current                            | Not more than the specified value.   |                    |                                   |                    |  |                  |                                    |   |

**◆MULTIPLIER FOR RIPPLE CURRENT**

Frequency coefficient

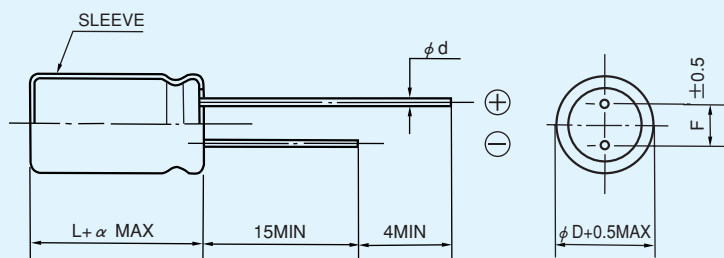
| Frequency (Hz) |       | 60(50) | 120 | 500  | 1k   | 10k $\leq$ |
|----------------|-------|--------|-----|------|------|------------|
| Coefficient    | 200WV | 0.8    | 1.0 | 1.10 | 1.14 | 1.18       |
|                | 400WV | 0.8    | 1.0 | 1.05 | 1.10 | 1.15       |

**◆PART NUMBER**

|               |        |                   |                       |        |              |           |
|---------------|--------|-------------------|-----------------------|--------|--------------|-----------|
| □□□           | SXW    | □□□□□             | □                     | □□□    | □□           | DXL       |
| Rated Voltage | Series | Rated Capacitance | Capacitance Tolerance | Option | Lead Forming | Case Size |

◆ DIMENSIONS

(mm)



|          |     |      |     |    |
|----------|-----|------|-----|----|
| $\phi D$ | 10  | 12.5 | 16  | 18 |
| $\phi d$ | 0.6 |      | 0.8 |    |
| F        | 5.0 |      | 7.5 |    |
| $\alpha$ | 1.5 |      |     |    |

◆ STANDARD SIZE, RATED RIPPLE CURRENT

| WV<br>Cap<br>( $\mu F$ ) | 200       |      |           |      |
|--------------------------|-----------|------|-----------|------|
|                          | $\phi 16$ |      | $\phi 18$ |      |
| 68                       | 16×20     | 0.32 |           |      |
| 82                       | 16×20     | 0.36 | 18×20     | 0.37 |
|                          | 16×25     | 0.38 |           |      |
| 100                      | 16×25     | 0.43 | 18×20     | 0.43 |
|                          | 16×30     | 0.45 |           |      |
| 120                      | 16×25     | 0.48 | 18×20     | 0.46 |
|                          | 16×30     | 0.50 | 18×25     | 0.48 |
| 130                      |           |      | 18×20     | 0.46 |
| 150                      | 16×30     | 0.57 | 18×20     | 0.50 |
|                          |           |      | 18×25     | 0.53 |
|                          | 16×35     | 0.59 | 18×30     | 0.58 |
| 180                      | 16×40     | 0.66 | 18×25     | 0.60 |
|                          |           |      | 18×30     | 0.62 |
| 220                      |           |      | 18×30     | 0.71 |
|                          |           |      | 18×35     | 0.74 |
|                          |           |      | 18×35     | 0.77 |
| 270                      |           |      | 18×45     | 0.89 |
|                          |           |      |           |      |
| 330                      |           |      | 18×40     | 0.91 |

| WV<br>Cap<br>( $\mu F$ ) | 400       |       |             |      |           |      |           |      |
|--------------------------|-----------|-------|-------------|------|-----------|------|-----------|------|
|                          | $\phi 10$ |       | $\phi 12.5$ |      | $\phi 16$ |      | $\phi 18$ |      |
| 4.7                      | 10×10     | 0.060 |             |      |           |      |           |      |
| 10                       | 10×16     | 0.087 | 12.5×20     | 0.10 |           |      |           |      |
|                          |           |       |             |      | 16×20     | 0.17 |           |      |
| 22                       |           |       |             |      | 16×25     | 0.18 |           |      |
|                          |           |       |             |      | 16×25     | 0.22 |           |      |
| 27                       |           |       |             |      | 16×25     | 0.22 |           |      |
|                          |           |       |             |      | 16×25     | 0.22 | 18×20     | 0.23 |
| 33                       |           |       |             |      | 16×30     | 0.24 | 18×25     | 0.25 |
|                          |           |       |             |      |           |      | 18×20     | 0.24 |
| 36                       |           |       |             |      |           |      | 18×20     | 0.24 |
| 39                       |           |       |             |      | 16×30     | 0.27 | 18×25     | 0.27 |
|                          |           |       |             |      |           |      |           |      |
| 47                       |           |       |             |      | 16×30     | 0.30 | 18×20     | 0.28 |
|                          |           |       |             |      |           |      | 18×25     | 0.30 |
|                          |           |       |             |      | 16×35     | 0.32 | 18×30     | 0.32 |
| 56                       |           |       |             |      | 16×35     | 0.34 | 18×30     | 0.35 |
|                          |           |       |             |      | 16×40     | 0.36 | 18×35     | 0.37 |
| 68                       |           |       |             |      |           |      | 18×35     | 0.40 |
|                          |           |       |             |      | 16×40     | 0.39 | 18×40     | 0.42 |
| 82                       |           |       |             |      |           |      | 18×40     | 0.46 |
|                          |           |       |             |      |           |      | 18×45     | 0.48 |
|                          |           |       |             |      |           |      |           |      |
| 100                      |           |       |             |      |           |      | 18×45     | 0.52 |

Size  $\phi D \times L$ (mm)  
Ripple Current (A r.m.s./120Hz, 105°C)