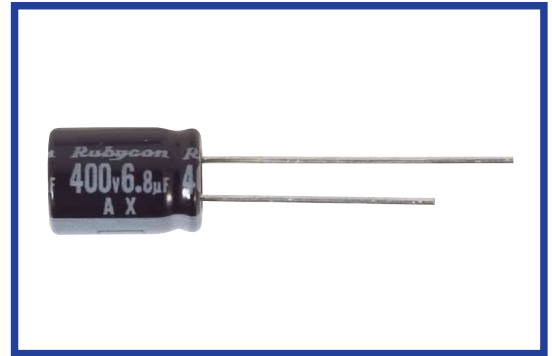


AX SERIES

◆FEATURES

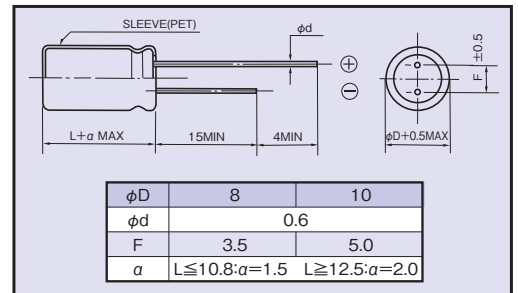
- Miniaturized for AC-adapter of portable device.
- Load Life : 105°C 1000 hours.
- RoHS compliance.



◆SPECIFICATIONS

| Items | Characteristics | | | | | | | | | |
|---|---|--------------------|-----------------------------------|--------------------|--|-----------------|------------------------------------|------------------|----|--|
| Category Temperature Range | -40~+105°C | | | | | | | | | |
| Rated Voltage Range | 400V.DC | | | | | | | | | |
| Capacitance Tolerance | ±20%(20°C,120Hz) | | | | | | | | | |
| Leakage Current(MAX) | I=0.04CV+100μA (After 1 minute application of rated voltage) I=0.02CV+25μA (After 5 minutes application of rated voltage) I=(μA) C=(μF) V=(V) Leakage Current Rated Capacitance Rated Voltage | | | | | | | | | |
| (tanδ) Dissipation Factor(MAX) | <table border="1"> <tr> <td>Rated Voltage</td> <td>400</td> <td>(20°C,120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.25</td> <td></td> </tr> </table> | Rated Voltage | 400 | (20°C,120Hz) | tanδ | 0.25 | | | | |
| Rated Voltage | 400 | (20°C,120Hz) | | | | | | | | |
| tanδ | 0.25 | | | | | | | | | |
| Endurance | After applying rated voltage with rated ripple current for 1000 hours at 105°C, the capacitors shall meet the following requirement. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±25% 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 ±25% 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 ±25% of the initial value. | | | | | | | | | |
| Dissipation Factor | Not more than 200% of the specified value. | | | | | | | | | |
| Leakage Current | Not more than the specified value. | | | | | | | | | |
| Low Temperature Stability Impedance Ratio(MAX) | <table border="1"> <tr> <td>Rated Voltage</td> <td>400</td> <td>(120Hz)</td> </tr> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>6</td> <td></td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>10</td> <td></td> </tr> </table> | Rated Voltage | 400 | (120Hz) | Z(-25°C)/Z(20°C) | 6 | | Z(-40°C)/Z(20°C) | 10 | |
| Rated Voltage | 400 | (120Hz) | | | | | | | | |
| Z(-25°C)/Z(20°C) | 6 | | | | | | | | | |
| Z(-40°C)/Z(20°C) | 10 | | | | | | | | | |

◆DIMENSIONS



◆MULTIPLIER FOR RIPPLE CURRENT
Frequency Coefficient

| (Hz) Frequency | 60(50) | 120 | 500 | 1k | 10k≤ |
|--------------------------|--------|------|------|------|------|
| Coefficient 4.7~8.2μF | 0.65 | 1.00 | 1.20 | 1.30 | 1.50 |
| 10~15μF | 0.80 | 1.00 | 1.20 | 1.30 | 1.50 |

◆STANDARD SIZE Size φD×L(mm), Ripple Current (mA r.m.s./105°C, 120Hz)

| WV(V.DC) | Cap(μF) | Size | Rated Ripple Current |
|-------------|---------|--------|----------------------|
| 400 (2G) | 4.7 | 8×9 | 50 |
| | 6.8 | 8×10.8 | 70 |
| | 8.2 | 8×16 | 85 |
| | 8.2 | 10×9 | 85 |

| WV(V.DC) | Cap(μF) | Size | Rated Ripple Current |
|-------------|---------|---------|----------------------|
| 400 (2G) | 10 | 10×12.5 | 100 |
| | 12 | 8×20 | 120 |
| | 15 | 10×16 | 150 |

◆OPTION

| | 記号 Code |
|--------------------|----------|
| PETスリーブ PET Sleeve | なし Blank |

◆PART NUMBER

| | | | | | | |
|---------------|--------|-------------------|-----------------------|--------|--------------|-----------|
| □□□ | AX | □□□ | M | □□□ | □□ | D×L |
| Rated Voltage | Series | Rated Capacitance | Capacitance Tolerance | Option | Lead Forming | Case Size |