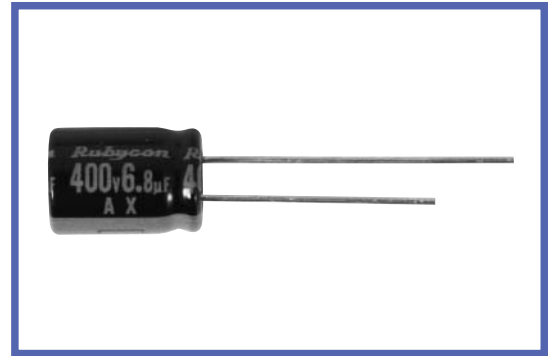


**AX SERIES**

**NEW**

◆ **FEATURES**

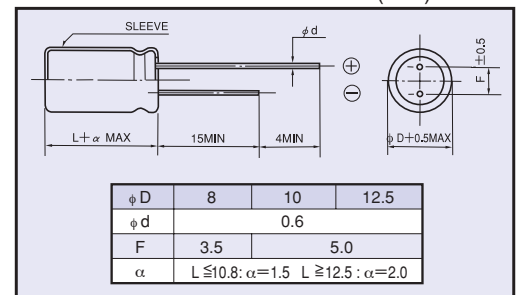
- Miniaturized for AC-adaptor of portable device.
- Load Life : 105°C 1000hours.
- RoHS compliance.



◆ **SPECIFICATIONS**

Items	Characteristics										
Category Temperature Range	-40~+105°C										
Rated Voltage Range	400V.DC										
Capacitance Tolerance	± 20%(20°C,120Hz)										
Leakage Current(MAX)	$I=0.04CV+100\mu A$ (After 1 minute application of rated voltage) $I=0.02CV+25\mu A$ (After 5 minutes application of rated voltage) $I=$ Leakage Current( $\mu A$ ) $C=$ Nominal Capacitance( $\mu F$ ) $V=$ Rated Voltage(V)										
Dissipation Factor(MAX) (tan $\delta$ )	<table border="1"> <tr> <td>Rated Voltage(V)</td> <td>400</td> <td>(20°C,120Hz)</td> </tr> <tr> <td>tan<math>\delta</math></td> <td>0.25</td> <td></td> </tr> </table>	Rated Voltage(V)	400	(20°C,120Hz)	tan $\delta$	0.25					
Rated Voltage(V)	400	(20°C,120Hz)									
tan $\delta$	0.25										
Endurance	After applying rated voltage with rated ripple current for 1000hrs 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.			
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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(V)</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(V)	400	(120Hz)	Z(-25°C)/Z(20°C)	6		Z(-40°C)/Z(20°C)	10		
Rated Voltage(V)	400	(120Hz)									
Z(-25°C)/Z(20°C)	6										
Z(-40°C)/Z(20°C)	10										

◆ **DIMENSIONS**



◆ **MULTIPLIER FOR RIPPLE CURRENT**  
Frequency coefficient

Frequency(Hz)	60(50)	120	500	1k	10k≤	
Coefficient	4.7~8.2 $\mu F$	0.65	1.00	1.20	1.30	1.50
	10~15 $\mu F$	0.80	1.00	1.20	1.30	1.50

◆ **STANDARD SIZE** Size  $\phi D \times L$ (mm), Ripple Current (mA r.m.s./105°C, 120Hz)

WV(V.DC)	Cap( $\mu F$ )	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( $\mu F$ )	Size	Rated Ripple Current
400 (2G)	10	10×12.5	100
	12	8×20	120
	15	10×16	150
	15	12.5×13	150

◆ **PART NUMBER**

