

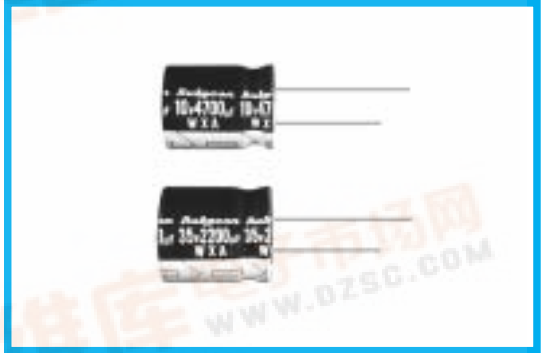
Rubycon MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS **WXA**

WXA SERIES

105°C Miniaturized low profile.

◆FEATURES

- 9~25mm height.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics																																																	
Category Temperature Range	-55~+105°C	-40~+105°C	-25~+105°C																																															
Rated Voltage Range	6.3~50V.DC	160~250V.DC	350~450V.DC																																															
Capacitance Tolerance	±20%(20°C, 120Hz)																																																	
Leakage Current(MAX)	6.3~50V.DC	160~450V.DC																																																
	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage)	CV ≤ 1000	CV > 1000																																															
		I=0.1CV+40 μA (1 minute) I=0.03CV+15 μA (5 minutes)	I=0.04CV+100 μA (1 minute) I=0.02CV+25 μA (5 minutes)																																															
	I=Leakage Current(μ A)	C=Rated Capacitance(μ F)	V=Rated Voltage(V)																																															
Dissipation Factor(MAX) (tan δ)	Rated Voltage (V)												(20°C, 120Hz)																																					
	<table border="1"> <tr> <td>Rated Voltage (V)</td> <td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>160</td><td>200</td><td>250</td><td>350</td><td>400</td><td>450</td> </tr> <tr> <td>tan δ</td> <td>φ 8, φ 10</td><td>0.30</td><td>0.26</td><td>0.20</td><td>0.18</td><td>0.14</td><td>0.12</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.25</td> </tr> <tr> <td></td> <td>φ12.5~φ18</td><td>0.26</td><td>0.22</td><td>0.18</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.25</td> </tr> </table>													Rated Voltage (V)	6.3	10	16	25	35	50	160	200	250	350	400	450	tan δ	φ 8, φ 10	0.30	0.26	0.20	0.18	0.14	0.12	0.20	0.20	0.20	0.20	0.25		φ12.5~φ18	0.26	0.22	0.18	0.16	0.14	0.12	0.20	0.20	0.20
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When rated capacitance is over 1000 μF, tan δ shall be added 0.02 to the listed value with increase of every 1000 μF.																																																		
Endurance	After applying rated voltage with rated ripple current for 2000hrs at 105°C, the capacitors shall meet the following requirements.																																																	
	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)	Rated Voltage (V)												(120Hz)																																					
	Z(-25°C)/Z(20°C)																																																	
	Z(-40°C)/Z(20°C)																																																	

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)	60(50)	120	500	1k	10k ≤	
Coefficient	1.5~6.8 μF	0.65	1.0	1.20	1.30	1.50
	10~68 μF	0.8	1.0	1.20	1.30	1.50
	100~1000 μF	0.8	1.0	1.10	1.15	1.20
	2200~10000 μF	0.8	1.0	1.05	1.10	1.15

◆PART NUMBER

