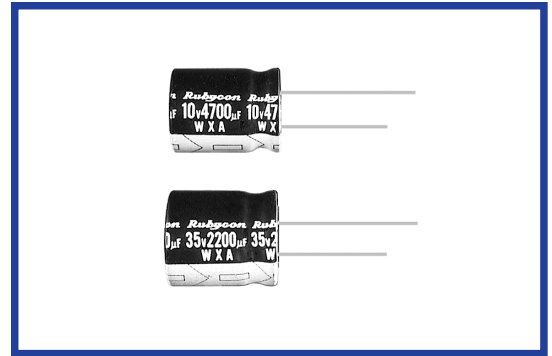


WXA SERIES
105°C Low profile.
◆FEATURES

- 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 3µA whichever is greater. (After 2 minutes application of rated voltage)	CV≤1000	CV>1000																																																	
		I=0.1CV+40µA (1minute) I=0.03CV+15µA (5minutes)	I=0.04CV+100µA (1minute) I=0.02CV+25µA (5minutes)																																																	
	I=(µA) Leakage Current	C=(µF) Rated Capacitance	V=(V) Rated Voltage																																																	
(tanδ) Dissipation Factor(MAX)	Rated Voltage												(20°C, 120Hz)																																							
	<table border="1"> <tr> <td></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>tanδ</td> <td>φ8, φ10</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>0.20</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>0.20</td><td>0.25</td> </tr> </table>														6.3	10	16	25	35	50	160	200	250	350	400	450	tanδ	φ8, φ10	0.30	0.26	0.20	0.18	0.14	0.12	0.20	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	0.20
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When rated capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF.																																																				
Endurance	After applying rated voltage with rated ripple current for 2000 hours 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												(120Hz)																																							
	<table border="1"> <tr> <td></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>Z(-25°C)/Z(20°C)</td> <td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>3</td><td>3</td><td>3</td><td>6</td><td>6</td><td>6</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>8</td><td>6</td><td>4</td><td>4</td><td>3</td><td>3</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td> </tr> </table>														6.3	10	16	25	35	50	160	200	250	350	400	450	Z(-25°C)/Z(20°C)	4	3	2	2	2	2	3	3	3	6	6	6	Z(-40°C)/Z(20°C)	8	6	4	4	3	3	-	-	-	-	-	-
		6.3	10	16	25	35	50	160	200	250	350	400		450																																						
Z(-25°C)/Z(20°C)	4	3	2	2	2	2	3	3	3	6	6	6																																								
Z(-40°C)/Z(20°C)	8	6	4	4	3	3	-	-	-	-	-	-																																								

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

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

◆OPTION

	Code
PET Sleeve	EFC

◆PART NUMBER

□□□	WXA	□□□□□	M	□□□	□□	DxL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

