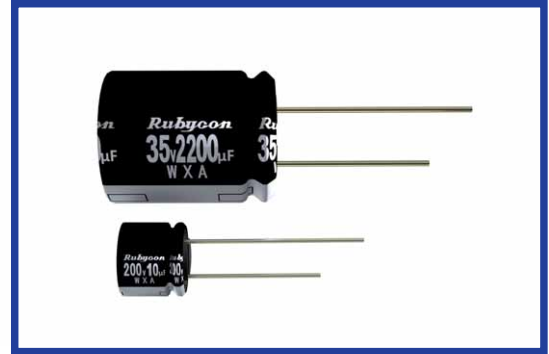


**WXA SERIES**
**105°C 9mm~25mm Height**

- Load Life : 105°C 2000 hours.
- AEC-Q200.

RoHS compliance


**◆ SPECIFICATIONS**

Items	Characteristics																																																		
Category Temperature Range	-55~+105°C	-40~+105°C	-25~+105°C																																																
Rated Voltage Range	6.3~50Vdc	160~250Vdc	350~450Vdc																																																
Capacitance Tolerance	±20%(20°C, 120Hz)																																																		
Leakage Current(MAX)	6.3~50Vdc		160~450Vdc																																																
	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=0.04CV+100μA (1minute)																																																
		I=0.03CV+15μA (5minutes)	I=0.02CV+25μA (5minutes)																																																
		I=Leakage Current(μA)	C=Capacitance(μF)      V=Rated Voltage(Vdc)																																																
Dissipation Factor(MAX) (tanδ)	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>tanδ 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>tanδ 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> </tbody> </table>											Rated Voltage (Vdc)	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	tanδ φ12.5~φ18	0.26	0.22	0.18	0.16	0.14	0.12	0.20	0.20	0.20	0.20	0.20	0.25	(20°C, 120Hz)
	Rated Voltage (Vdc)	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																																							
tanδ φ12.5~φ18	0.26	0.22	0.18	0.16	0.14	0.12	0.20	0.20	0.20	0.20	0.20	0.25																																							
When 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)	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>160</th> <th>200</th> <th>250</th> <th>350</th> <th>400</th> <th>450</th> </tr> </thead> <tbody> <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> </tbody> </table>											Rated Voltage (Vdc)	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	-	-	-	-	-	-	(120Hz)
	Rated Voltage (Vdc)	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 (Hz)		60(50)	120	500	1k	10k≤
Coefficient	1.5~6.8μF	0.65	1.00	1.20	1.30	1.50
	10~68μF	0.80	1.00	1.20	1.30	1.50
	100~1000μF	0.80	1.00	1.10	1.15	1.20
	2200~10000μF	0.80	1.00	1.05	1.10	1.15

**◆ OPTION**

	Code
PET Sleeve	EFC

**◆ PART NUMBER**

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



# Mouser Electronics

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## Rubycon:

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[400WXA47MEFC18X20](#) [6.3WXA6800MEFC16X20](#) [400WXA3R3MEFC10X9](#) [10WXA3300MEFC16X16](#)  
[50WXA680MEFC16X16](#) [16WXA680MEFC10X9](#) [35WXA680MEFC12.5X16](#) [200WXA4R7MEFC8X9](#)  
[450WXA10MEFC16X16](#) [200WXA22MEFC12.5X16](#) [250WXA22MEFC12.5X16](#) [250WXA33MEFC16X16](#)  
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[160WXA150MEFC18X20](#) [35WXA1000MEFC16X16](#) [350WXA68MEFC18X25](#) [16WXA470MEFC8X9](#)  
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[6.3WXA10000MEFC18X20](#) [10WXA4700MEFC16X20](#) [350WXA22MEFC18X16](#) [160WXA10MEFC10X9](#)  
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[200WXA33MEFC12.5X16](#) [10WXA10000MEFC18X25](#) [200WXA47MEFC16X16](#) [160WXA47MEFC16X16](#)  
[50WXA150MEFC10X9](#) [25WXA3300MEFC18X20](#) [400WXA33MEFC16X20](#) [50WXA470MEFC12.5X16](#)  
[400WXA10MEFC12.5X16](#) [25WXA330MEFC10X9](#) [350WXA33MEFC16X20](#) [250WXA4R7MEFC8X9](#)  
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[6.3WXA2200MEFC12.5X16](#) [10WXA2200MEFC12.5X16](#) [450WXA6R8MEFC12.5X16](#)