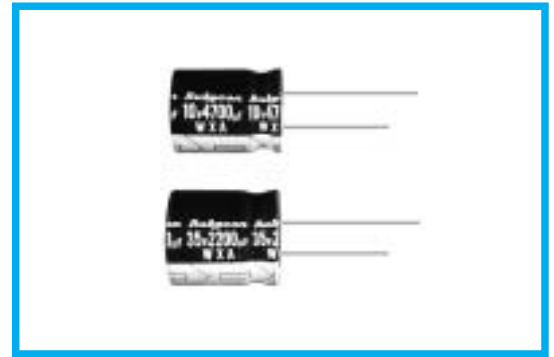
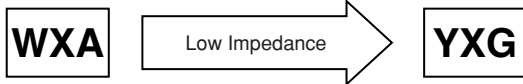


WXA SERIES
105°C Miniaturized low profile.
◆FEATURES

- 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 (1minute) I=0.03CV+15 μA (5minutes)	I=0.04CV+100 μA (1minute) I=0.02CV+25 μA (5minutes)																																																
	I=Leakage Current(μA)	C=Rated Capacitance(μF)	V=Rated Voltage(V)																																																
Dissipation Factor(MAX) (tan δ)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</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>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>0.20</td> <td>0.25</td> </tr> <tr> <td>φ 12.5~φ 18</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 (V)	6.3	10	16	25	35	50	160	200	250	350	400	450	φ 8, φ 10	0.30	0.26	0.20	0.18	0.14	0.12	0.20	0.20	0.20	0.20	0.20	0.25	φ 12.5~φ 18	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 (V)	6.3	10	16	25	35	50	160	200	250	350	400	450																																						
φ 8, φ 10	0.30	0.26	0.20	0.18	0.14	0.12	0.20	0.20	0.20	0.20	0.20	0.25																																							
φ 12.5~φ 18	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 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)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</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 (V)	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 (V)	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

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

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

