



# Aluminum Electrolytic Capacitors

RUK

## Features

- 125°C, 3,000 ~ 5,000 hours assured
- For automobile modules and other high temperature applications
- RoHS Compliance

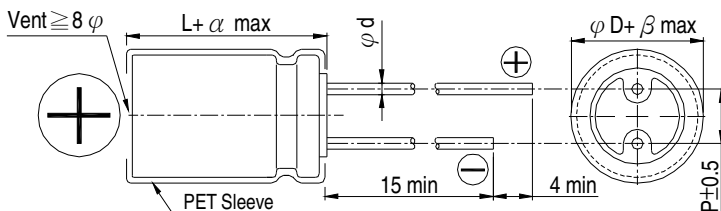


Sleeve & Marking Color: Black & White

## SPECIFICATIONS

Items	Performance																						
Category Temperature Range	-40°C ~ +125°C																						
Capacitance Tolerance	±20% (at 120Hz, 20°C)																						
Leakage Current (at 20°C)	I = 0.01CV or 3 (μA) whichever is greater (after 2 minutes) Where, C = rated capacitance in μF V = rated DC working voltage in V																						
Dissipation Factor (Tan δ at 120 Hz, 20°C)	<table border="1"> <tr> <td>Rated Voltage</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Tan δ (max)</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> <td>0.08</td> <td>0.08</td> </tr> </table>	Rated Voltage	10	16	25	35	50	63	Tan δ (max)	0.15	0.12	0.10	0.10	0.08	0.08								
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Low Temperature Characteristics (at 120Hz)	<p>Impedance ratio shall not exceed the values given in the table below.</p> <table border="1"> <tr> <td>Rated Voltage</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Impedance</td> <td>Z(-25°C) / Z(+20°C)</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Ratio</td> <td>Z(-40°C) / Z(+20°C)</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>	Rated Voltage	10	16	25	35	50	63	Impedance	Z(-25°C) / Z(+20°C)	3	2	2	2	2	Ratio	Z(-40°C) / Z(+20°C)	6	4	4	4	4	
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Ripple Current & Frequency Multipliers	<table border="1"> <tr> <td></td> <td>Freq. (Hz)</td> <td>120</td> <td>1k</td> <td>10k</td> <td>100k up</td> </tr> <tr> <td rowspan="3">Cap. (μF)</td> <td>0.47 ~ 100</td> <td>1.00</td> <td>1.70</td> <td>1.88</td> <td>2.00</td> </tr> <tr> <td>150 ~ 470</td> <td>1.00</td> <td>1.45</td> <td>1.58</td> <td>1.65</td> </tr> <tr> <td>1,000</td> <td>1.00</td> <td>1.20</td> <td>1.25</td> <td>1.33</td> </tr> </table>		Freq. (Hz)	120	1k	10k	100k up	Cap. (μF)	0.47 ~ 100	1.00	1.70	1.88	2.00	150 ~ 470	1.00	1.45	1.58	1.65	1,000	1.00	1.20	1.25	1.33
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## DIAGRAM OF DIMENSIONS



## LEAD SPACING AND DIAMETER Unit: mm

φD	8	10	12.5	16
P	3.5	5.0	5.0	7.5
φd	0.6			0.8
α	1.0	1.5		
β	0.5			



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**RUK**

Dimension:  $\phi D \times L$ (mm)

Ripple Current: mA/rms at 120 Hz, 125°C

## DIMENSION & PERMISSIBLE RIPPLE CURRENT

$\mu F$	V. DC Contents	10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)		63V (1J)	
		$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA	$\phi D \times L$	mA
0.47	R47									8×11.5	12	8×11.5	12
1	010									8×11.5	17	8×11.5	17
2.2	2R2									8×11.5	26	8×11.5	26
3.3	3R3									8×11.5	32	8×11.5	32
4.7	4R7									8×11.5	38	8×11.5	38
10	100									8×11.5	56	8×11.5	56
22	220							8×11.5	75	10×12.5	99	10×12.5	99
33	330					8×11.5	92	10×12.5	108	10×16	133	10×16	133
47	470			8×11.5	100	10×12.5	129	10×16	142	10×16	159	10×20	173
100	101	10×12.5	154	10×16	190	10×16	208	10×20	225				
220	221	10×16	252	10×20	305	12.5×20	371	12.5×25	403	12.5×20	279	12.5×20	279
330	331	10×16	308	12.5×20	414	12.5×25	493	16×20	503				
470	471	10×20	399	12.5×25	537	16×20	601			16×20	459		
1,000	102	16×20	715										