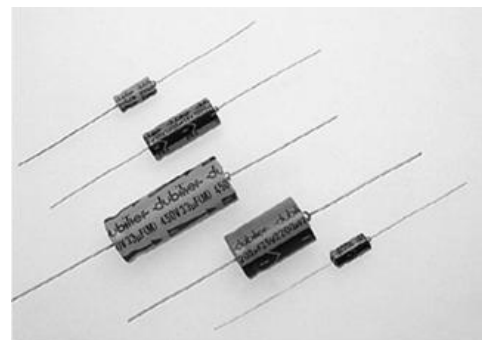


DEAJ Series AXIAL Type 105°C



FEATURES

- .105°C, 1,000 hours assured
- . Voltage range of 6.3 ~ 450V
- .Wide operating temperature range, from -40°C~ +105°C

SPECIFICATION

Item	Characteristic																																																																																			
Operation Temp 使用溫度範圍	-40°C~ +105°C																																																																																			
Capacitance Tolerance 容量範圍	±10%(K), ±20%(M) (at 20°C,120Hz)																																																																																			
Rated Voltage 額定電壓	6.3 ~ 100VDC	160 ~ 450VDC																																																																																		
(20°C) Leakage Current 洩漏電流	I≤0.02CV or 3 (u A)Whichever is greater 選其最大值 (after 2 minutes applying the rated DC working Voltage at 20 °C)(在 20°C施加直流額定電壓 2 分鐘以後)	I≤0.03CV+15 (u A) for CV≤1000, I≤0.02CV+25 (u A) for CV>1000 (after 5 minutes applying the rated DC working Voltage at 20 °C)(在 20°C施加直流額定電壓 5 分鐘以後)																																																																																		
	Where: I=Leakage Current (u A) , C=rated Capacitance (μ F) , V= working Voltage (V)																																																																																			
(at 20°C,120Hz) Dissipation Factor (tan δ) 損失角	<table border="1"> <tr> <td>W.V</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</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>0.23</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> <td>0.24</td> <td>0.24</td> </tr> </table> <p>Add 0.02 per 1000μ F for more than 1000μ F (當靜電容量超過 1000μ F 時，容量每增加 1000μ F，損失角正切值就增加 0.02)</p>		W.V	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	tan δ	0.23	0.20	0.17	0.15	0.12	0.10	0.09	0.08	0.15	0.15	0.20	0.20	0.24	0.24																																																				
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(20°C) Surge Voltage 突破電壓	<table border="1"> <tr> <td>W.V</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>100</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>S.V</td> <td>8</td> <td>13</td> <td>20</td> <td>32</td> <td>44</td> <td>63</td> <td>79</td> <td>125</td> <td>200</td> <td>250</td> <td>300</td> <td>400</td> <td>450</td> <td>500</td> </tr> </table>		W.V	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	S.V	8	13	20	32	44	63	79	125	200	250	300	400	450	500																																																				
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Low Temperature Stability 低溫溫度特性	Impedance ratio at 120 HZ 阻抗測試頻率為 120Hz																																																																																			
	<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>63</th> <th>100</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)</td> <td colspan="2">φD<16</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>3</td> <td>6</td> <td>8</td> <td>12</td> <td>14</td> <td>16</td> </tr> <tr> <td>+20°C</td> <td colspan="2">φD≥16</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Z(-40°C)</td> <td colspan="2">φD<16</td> <td>10</td> <td>8</td> <td>6</td> <td>6</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>4</td> <td>8</td> <td>10</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>+20°C</td> <td colspan="2">φD≥16</td> <td>18</td> <td>16</td> <td>12</td> <td>10</td> <td>8</td> <td>8</td> <td>6</td> <td>6</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	63	100	160	200	250	350	400	450	Z(-25°C)	φD<16		6	4	3	3	2	2	2	2	3	6	8	12	14	16	+20°C	φD≥16		8	6	4	4	3	3	3	3							Z(-40°C)	φD<16		10	8	6	6	4	3	3	3	4	8	10	-	-	-	+20°C	φD≥16		18	16	12	10	8	8	6	6					
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Load Life Test 高溫負荷壽命	After 1,000 hours application of rated voltage at 105°C,capacitors meet the characteristics requirements listed as below .在額定電壓 105°C條件下，經過 1,000 小時後，電容特性要求如下表：																																																																																			
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Shelf Life Test 無負荷壽命	After leaving capacitors under no load at 105°C for 1,000 hours and applying Voltage they meet the specified value for load life characteristics listed above .將電容器置於溫度為 105°C、無電壓負荷狀況下，經過 1,000 小時後，再加電壓於電容器，其所測值標準應與有負荷時測試值相同。																																																																																			
Frequency Coefficient of Allowable Ripple Current 允許紋波電流的頻率係數	<table border="1"> <tr> <th rowspan="2">Cap.(μ F)</th> <th colspan="5">Freq.(Hz)</th> </tr> <tr> <th>60</th> <th>120</th> <th>500</th> <th>1K</th> <th>10K up</th> </tr> <tr> <td>Under 100</td> <td>0.70</td> <td>1.00</td> <td>1.30</td> <td>1.40</td> <td>1.50</td> </tr> <tr> <td>100 to 1000</td> <td>0.75</td> <td>1.00</td> <td>1.20</td> <td>1.30</td> <td>1.35</td> </tr> <tr> <td>1000 up above</td> <td>0.80</td> <td>1.00</td> <td>1.10</td> <td>1.12</td> <td>1.15</td> </tr> </table>		Cap.(μ F)	Freq.(Hz)					60	120	500	1K	10K up	Under 100	0.70	1.00	1.30	1.40	1.50	100 to 1000	0.75	1.00	1.20	1.30	1.35	1000 up above	0.80	1.00	1.10	1.12	1.15																																																					
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Allowable Ripple Current Vs; Ambient Temperature 環境溫度對比允許紋波電流的比值	<table border="1"> <tr> <td>Temperature(°C)</td> <td>Under 50</td> <td>70</td> <td>85</td> <td>105</td> </tr> <tr> <td>Multiplier</td> <td>1.95</td> <td>1.78</td> <td>1.40</td> <td>1.00</td> </tr> </table>		Temperature(°C)	Under 50	70	85	105	Multiplier	1.95	1.78	1.40	1.00																																																																								
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DEAJ and DEA Part Number Format

DEA	100	16	/TR
Range DEA 85°C DEAJ 105°C	Capacitance μF	Voltage V	Options Tape/Reel Blank = Loose