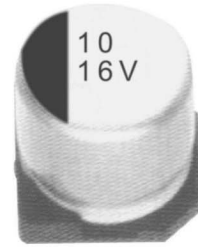


## HVS Series 表面粘著型105°C

- 105°C stand, case diameter 4~20mm
- Reflex soldering is available
- Available for high density mounting



### SPECIFICATIONS

No	Item	Performance Characteristics																																	
1	使用溫度範圍 Operating Temperature Range	-40 to +105°C																																	
2	定格電壓範圍 Rated voltage Range	4 to 450VDC																																	
3	靜電容量許差 Capacitance Tolerance	±20% at 120Hz, 20°C																																	
4	靜電容量範圍 Capacitance Range	0.1 μ F to 6800 μ F																																	
5	漏電電流 Leakage Current(+20°C, max.)	$I \leq 0.03 CV$ or $3(\mu A)$ $I=0.04CV+100(\mu A)$ 以下(≥160VDC) After 2minutes, whichever is greater measured with rated working voltage applied																																	
6	損失角 Dissipation Factor(tan δ)	<table border="1"> <thead> <tr> <th>Working Voltage (VDC)</th> <th>4</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>160-450</th> </tr> </thead> <tbody> <tr> <td>D.F.(%)</td> <td>∅4~6.3</td> <td>0.4</td> <td>0.26</td> <td>0.22</td> <td>0.18</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> <td>0.12</td> <td>0.11</td> </tr> <tr> <td>Max</td> <td>∅ 8~20</td> <td>-</td> <td>0.35</td> <td>0.26</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.11</td> </tr> </tbody> </table> <p>(+20°C, at 120Hz)</p>	Working Voltage (VDC)	4	6.3	10	16	25	35	50	63	100	160-450	D.F.(%)	∅4~6.3	0.4	0.26	0.22	0.18	0.16	0.13	0.12	0.12	0.11	Max	∅ 8~20	-	0.35	0.26	0.20	0.16	0.14	0.12	0.12	0.11
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7	溫度特性 Low Temperature Characteristics (120Hz)	<p>Impedance ratio max.</p> <table border="1"> <thead> <tr> <th>Rated voltage (VDC)</th> <th>4</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>160-450</th> </tr> </thead> <tbody> <tr> <td>Z-25°C /Z+20°C</td> <td>7</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>6</td> </tr> <tr> <td>Z-40°C /Z+20°C</td> <td>15</td> <td>8</td> <td>8</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>10</td> </tr> </tbody> </table>	Rated voltage (VDC)	4	6.3	10	16	25	35	50	63	100	160-450	Z-25°C /Z+20°C	7	4	3	2	2	2	2	2	2	6	Z-40°C /Z+20°C	15	8	8	4	4	3	3	3	3	10
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8	高溫負荷特性 Load Life	<p>After 1000 hours, application of rated voltage at 105°C, capacitors meet the characteristics requirements listed as belows.</p> <table border="1"> <tbody> <tr> <td>Capacitance Change</td> <td>With ±25% of the intial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value</td> </tr> </tbody> </table>	Capacitance Change	With ±25% of the intial value	Dissipation Factor	Not more than 200% of the specified value	Leakage Current	Not more than the specified value																											
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9	高溫無負荷特性 Shelf Life	<p>Test conditions Duration time :500Hrs Ambient temperature :+105°C Applied voltage:None After test requirements at +20°C: Same limits as Load life. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.</p>																																	

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### Multiplier for Ripple Current

#### Frequency

Frequency(Hz)	60(50)	120	500	1K	10K≤
Multiplier					
0.1~47 μ F	0.8	1.0	1.20	1.30	1.50
100~6800 μ F	0.8	1.0	1.10	1.15	1.20

#### Temperature

Temperature°C	105	70	50K≤
Multiplier	1.0	1.6	2.0