

WS Series

- 5mm high, 105°C
高 5mm, 105°C

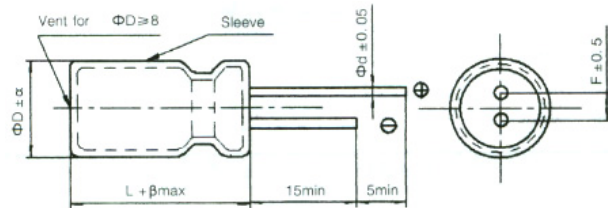
- Suit for use in micro complete sets
適用於微小型整機

Specifications

Items 項目	Characteristics 特性															
Operating Temperature Range 使用溫度範圍	-40 to +105°C															
Rated Voltage Range 額定電壓範圍	6.3 to 50VDC															
Capacitance Tolerance 靜電容量容許差	±20%(M) (at 25°C, 120Hz)															
Leakage Current 漏電流	I=0.01CV or 3 μA, whichever is greater (at 25°C, after 2 minutes) Where, I: Leakage current(μA), C: Nominal capacitance (μF), V: Rated voltage(V)															
Dissipation Factor(tan δ) 損失角正切(tan δ)	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>DF(tan δ)</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> </tr> </table> <p style="text-align: right;">(at 25°C, 120Hz)</p>	Rated voltage (V)	6.3	10	16	25	35	50	DF(tan δ)	0.24	0.20	0.16	0.15	0.12	0.10	
Rated voltage (V)	6.3	10	16	25	35	50										
DF(tan δ)	0.24	0.20	0.16	0.15	0.12	0.10										
Low Temperature Characteristics 低溫特性	<table border="1"> <tr> <td>Rated voltage (V)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25~50</td> </tr> <tr> <td>Z(-25°C)/(25°C)</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C)/(40°C)</td> <td>9</td> <td>7</td> <td>5</td> <td>3</td> </tr> </table> <p style="text-align: right;">(at 120Hz)</p>	Rated voltage (V)	6.3	10	16	25~50	Z(-25°C)/(25°C)	3	3	2	2	Z(-40°C)/(40°C)	9	7	5	3
Rated voltage (V)	6.3	10	16	25~50												
Z(-25°C)/(25°C)	3	3	2	2												
Z(-40°C)/(40°C)	9	7	5	3												
Load Life 高溫負荷特性	The following specifications shall be satisfied when the capacitors are restored to 25°C after the rated voltage is applied for 1000 hours at 105°C Capacitance change ≤ ±20% of the initial value DF(tan δ) ≤ 200% of the initial specified value Leakage current ≤ The initial specified value															

Pitch Dimension (mm)

DΦ	3	4	5	6.3
F	1.0	1.5	2.0	2.5
d	0.4	0.45	0.50	0.50
α	0.5			
β	1.0			



Standard Ratings

μF \ V _{DC}	6.3		10		16		25		35		50	
	1											4*5
2.2											4*5	10
3.3							4*5	10	4*5	13	4*5	14
4.7							4*5	12	4*5	15	4*5	19
10					3*5 4*5	10 14	4*5 5*5	21 22	5*5	25	6.3*5	29
22	3*5 4*5	18 22	3*5 4*5	20 25	4*5	30	5*5	35	6.3*5	40		
33	4*5	27	5*5	34	5*5 6.3*5	40 42	6.3*5	43	8*5	44		
47	4*5	36	5*5	43	5*5 6.3*5	48 50	6.3*5	50				
100	6.3*5	56	6.3*5	62	6.3*5	67	8*5	70				
220	6.3*5	58	8*5	65	8*5	68						
330	8*5	63										

↑ Ripple current(mA rms/105°C, 120Hz)
 ↑ Case size ΦD*L (mm)