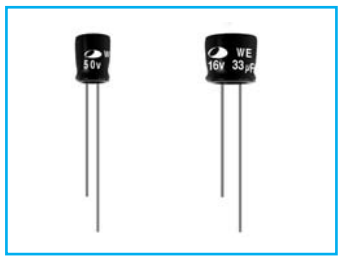
WE

Low Impedance, Height 5mm Series

Low Impedance　Miniaturized

RE ⇨ WE
Low imp.

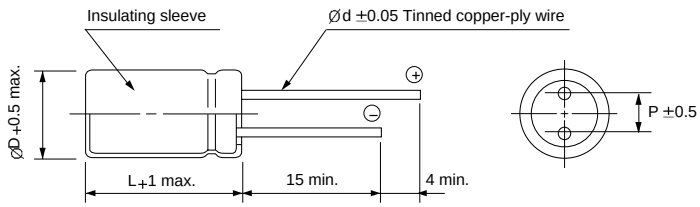


- Low impedance series with 5mm height
- Suited for DC-DC converters where smaller case size and lower impedance are required
- Load life of 1000 hours at 105℃

Item	Characteristics
Operating temperature range	-55 ~ +105℃
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)
Capacitance tolerance	±20% at 120Hz, 20℃
Dissipation factor max. (at 120Hz, 20℃)	WV: 6.3 / 10 / 16 / 25 / 35 tanδ: 0.22 / 0.20 / 0.18 / 0.14 / 0.12
Low temperature characteristics (Impedance ratio at 120Hz)	WV: 6.3 / 10 / 16 / 25 / 35 Z-25℃/Z+20℃: 2 / 2 / 2 / 2 / 2 Z-55℃/Z+20℃: 8 / 6 / 4 / 3 / 3
Load life (after application of the rated voltage for 1000 hours at 105℃)	Leakage current: Less than specified value Capacitance change: Within ±25% of initial value tanδ: Less than 200% of specified value
Shelf life (at 105℃)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value.

DRAWING

Unit : mm



ØD	4	5	6.3
P	1.5	2.0	2.5
Ød	0.45	0.45	0.45

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	6.3			10			16			25			35		
1.0													4 × 5	5.0	50
1.5													4 × 5	5.0	50
2.2													4 × 5	5.0	50
3.3													4 × 5	5.0	50
4.7										4 × 5	5.0	50	4 × 5	5.0	50
6.8										4 × 5	5.0	50	5 × 5	2.6	80
10							4 × 5	5.0	50	5 × 5	2.6	80	5 × 5	2.6	80
15							5 × 5	2.6	80	5 × 5	2.6	80	6.3 × 5	1.3	115
22	4 × 5	5.0	50	5 × 5	2.6	80	5 × 5	2.6	80	6.3 × 5	1.3	115	6.3 × 5	1.3	115
33	5 × 5	2.6	80	5 × 5	2.6	80	6.3 × 5	1.3	115	6.3 × 5	1.3	115			
47	5 × 5	2.6	80	6.3 × 5	1.3	115	6.3 × 5	1.3	115	← Ripple current (mA rms) at 105℃, 100kHz					
68	6.3 × 5	1.3	115				↑ Impedance (Ω) max. at 20℃, 100kHz								
100	6.3 × 5	1.3	115				↑ Case size ØD × L (mm)								