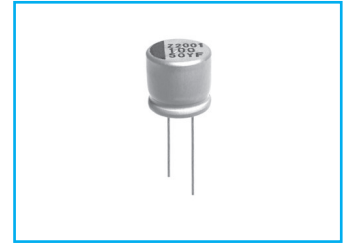


**New**  
**YF**

Lead type, Ultra High Temperature Series

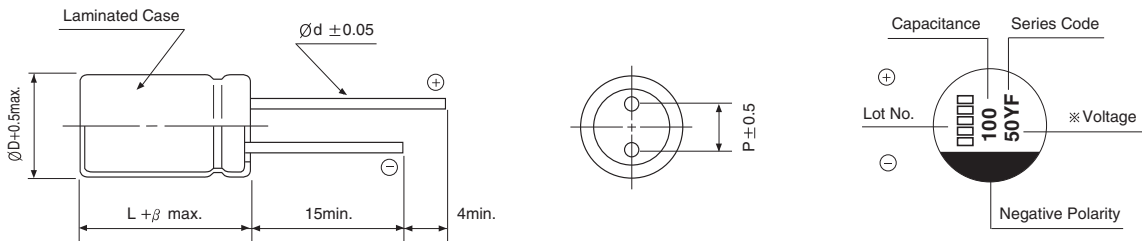
- High temperature range, for 150°C use
- Complied to the RoHS directive



Item	Characteristics										
Operating temperature range	-55 ~ +150°C										
Leakage current max.	$I = 0.01CV$ or $3\mu A$ whichever is greater (after 2 minutes)										
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C										
Dissipation factor max. (at 120Hz, 20°C)	<table border="1"> <tr> <td>WV</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>tan<math>\delta</math></td> <td>0.14</td> <td>0.12</td> <td>0.1</td> <td>0.08</td> </tr> </table>	WV	25	35	50	63	tan $\delta$	0.14	0.12	0.1	0.08
	WV	25	35	50	63						
tan $\delta$	0.14	0.12	0.1	0.08							
Low temperature characteristics (Impedance ratio at 100kHz)	$Z(-25^\circ C) / Z(+20^\circ C) \leq 1.5$ $Z(-55^\circ C) / Z(+20^\circ C) \leq 2.0$										
Load life	After an application of DC bias voltage plus the rated AC ripple current for 1000 hours at 150°C. The measurement shall meet the following limits. The DC voltage plus the peak AC voltage combined must not exceed the rated voltage.										
	Capacitance change	Within $\pm 30\%$ of initial value									
	tan $\delta$	Less than 200% of the specified value									
	ESR	Less than 200% of the specified value									
	Leakage current	Less than specified value									
Shelf life(at 150°C)	After 1000 hours no load test, leakage current, capacitance and tan $\delta$ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4										

## ● DRAWING

Unit : mm



Size	ØD	L	P	Ød	β
6.3×7.5	6.3	7.5	2.5	0.45	1.5
8×9.5	8	9.5	3.5	0.60	1.5
10×9.5	10.0	9.5	5.0	0.60	1.5

## ● PACKING & TAPING (See page 88 ~ 90)

## ● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF	WV	25			35			50			63		
15													
22							6.3×7.5	80	410				
33										8×9.5	40	610	
47					6.3×7.5	60	510						
56								8×9.5	35	660	10×9.5	30	710
68	6.3×7.7	45	540										
100													
150	8×9.5	27	740	8×9.5	30	710	10×9.5	28	780				
270	10×9.5	22	850	10×9.5	23	830							

↑ Ripple current (mA rms) at 150°C, 100kHz  
 ↑ ESR (mΩ) at 20°C, 100kHz  
 ↑ Case size ØD×L(mm)

## ● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	120Hz	1kHz	10kHz	100kHz
Coefficient	0.05	0.30	0.70	1.00