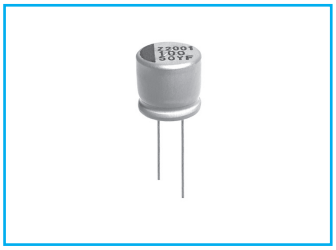
New

YF

Lead type, Ultra High Temperature Series

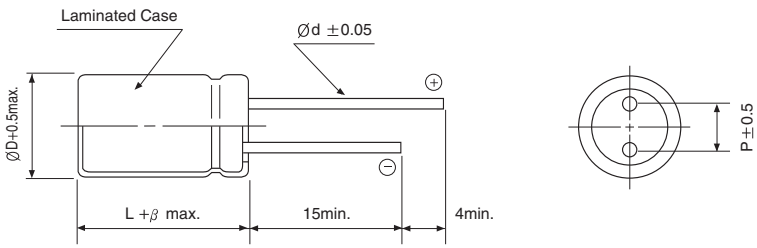
- High temperature range, for 150℃ use
- Complied to the RoHS directive



Item	Characteristics
Operating temperature range	-55 ~ +150℃
Leakage current max.	I = 0.01CV or 3㎂ whichever is greater (after 2 minutes)
Capacitance tolerance	±20% at 120Hz, 20℃
Dissipation factor max. (at 120Hz, 20℃)	WV: 25 / 35 / 50 / 63 tanδ: 0.14 / 0.12 / 0.1 / 0.08
Low temperature characteristics (Impedance ratio at 100kHz)	Z (-25℃) / Z (+20℃) ≦ 1.5 Z (-55℃) / Z (+20℃) ≦ 2.0
Load life	After an application of DC bias voltage plus the rated AC ripple current for 1000 hours at 150℃. 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 ±30% of initial value tanδ: 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℃)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20℃ 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

㎌ \ WV	25			35			50			63		
15										6.3×7.5	80	410
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				8×9.5	30	710	10×9.5	28	780			
150	8×9.5	27	740	10×9.5	23	830						
270	10×9.5	22	850									

Ripple current (mA rms) at 150℃, 100kHz
ESR (mΩ) at 20℃, 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