

New

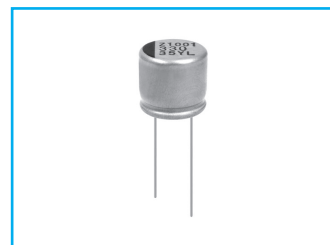
YL

Lead type, High Capacitance & High Ripple Current Series

S
Solvent Proof

- High ripple current compared with YG series
- High temperature range, for 125°C use
- Complied to the RoHS directive

YG → **YL**
High ripple

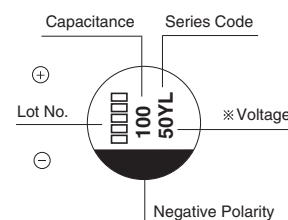
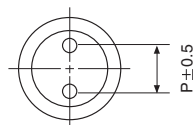
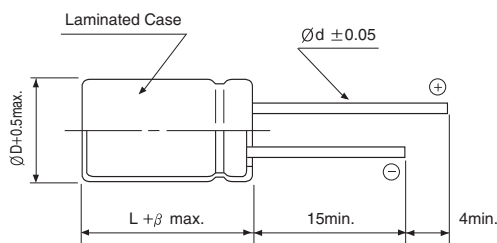


HYBRID TYPES

Item	Characteristics				
Operating temperature range	-55 ~ +125°C				
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)				
Capacitance tolerance	±20% at 120Hz, 20°C				
Dissipation factor max. (at 120Hz, 20°C)	WV	25	35	50	63
	tanδ	0.14	0.12	0.1	0.08
Low temperature characteristics (Impedance ratio at 100kHz)	Z (-25°C) / Z (+20°C) ≤ 1.5 Z (-55°C) / Z (+20°C) ≤ 2.0				
Load life	After an application of DC bias voltage plus the rated AC ripple current for 4000 hours at 125°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 ±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 125°C)	After 1000 hours no load test, leakage current, capacitance and tanδ 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
10×12	10.0	12.0	5.0	0.60	1.5

PACKING & TAPING (See page 88~90)

DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

µF \ WV	25	35	50	63
47			6.3×7.5 40 1500	8×9.5 40 1700
82				10×9.5 30 2000
100		6.3×7.5 35 1700	8×9.5 30 1700	10×12 22 3000
150	6.3×7.5 30 1800	8×9.5 27 2000	10×9.5 25 2000	
220			10×12 19 3200	
330	8×9.5 27 2000	10×9.5 20 2800		
390		10×12 17 3500		
560	10×9.5 20 2800			
680	10×12 16 3500			

↑ Ripple current (mA rms) at 125°C, 100kHz
 ↑ ESR (mΩ) at 20°C, 100kHz
 ↑ Case size ØD×L(mm)