CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS

Upgrade

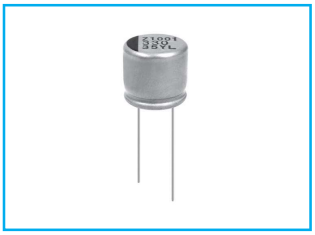
YL

Lead type, High Capacitance & High Ripple Current Series

Solvent Proof

- High ripple current compared with YG series
- High temperature range, for 125˚C use
- Complied to the RoHS directive
- AEC-Q200 compliant : Please contact us for more details.

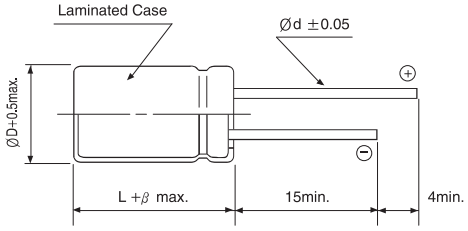
YG ⇒ YL
High ripple

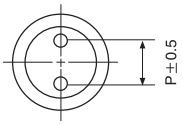


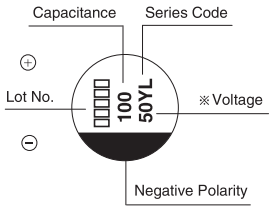
Item	Characteristics
Operating temperature range	-55 ~ +125˚C
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)
Capacitance tolerance	±20% at 120Hz, 20˚C
Dissipation factor max. (at 120Hz, 20˚C)	WV: 16 / 25 / 35 / 50 / 63 tanδ: 0.16 / 0.14 / 0.12 / 0.1 / 0.08
Low temperature 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 82~84)

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	16			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	10×12.5	22	3000
150	6.3×7.5	27	1800	6.3×7.5	30	1800	8×9.5	27	2000	10×9.5	25	2000			
220										10×12.5	19	3200			
330				8×9.5	27	2000	10×9.5	20	2800						
390	8×9.5	22	2000				10×12.5	17	3500						
560				10×9.5	20	2800									
680	10×9.5	18	2800	10×12	16	3500									
820	10×12	14	3500												

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

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