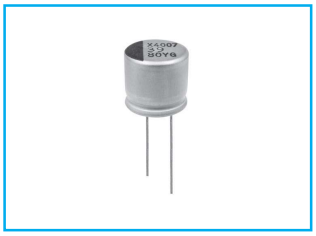
EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

YG Lead type, High Temperature Series

Solvent Proof

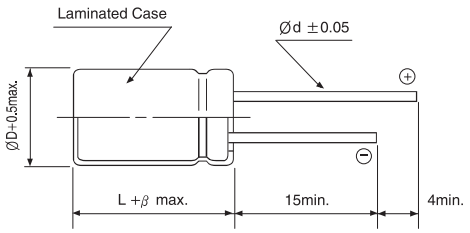


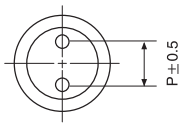
- High temperature range, for 125˚C use
- Complied to the RoHS directive
- AEC-Q200 compliant : Please contact us for more details.

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 ~ 100 tanδ: 0.16 / 0.14 / 0.12 / 0.10 / 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

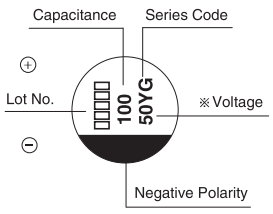
DRAWING

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)

YG series

● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

μF \ WV	16			25			35		
47							6.3×7.5	35	1400
68				6.3×7.5	30	1400	6.3×7.5	35	1400
100				6.3×7.5	30	1400	8×9.5	27	1600
150	6.3×7.5	27	1450	8×9.5	27	1600	8×9.5	27	1600
							10×9.5	20	2000
220				8×9.5	27	1600			
270	8×9.5	22	1700	10×9.5	20	2000	10×9.5	20	2000
330				10×9.5	20	2000	10×12	17	2260
470	10×9.5	18	2100	10×12	16	2260			
560	10×12	14	2320						

μF \ WV	50			63			80		
10				6.3×7.5	80	900			
15	6.3×7.5	40	1100						
22				6.3×7.5	80	900	8×9.5	45	1100
				8×9.5	40	1100			
33	6.3×7.5	40	1100	8×9.5	40	1100			
	8×9.5	30	1250	10×9.5	30	1400			
39							10×9.5	35	1200
47	8×9.5	30	1250				10×12	32	1400
56	10×9.5	25	1600	10×9.5	30	1400			
68	10×9.5	25	1600	10×12	22	1650			
100	10×9.5	25	1600						
150	10×12	19	1820						

μF \ WV	100		
10	8×9.5	60	900
15	10×9.5	45	1120
18	10×12	40	1220

Ripple current (mA rms) at 125°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