

CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS

GYA Chip Type, 125°C High Reliability

NEW

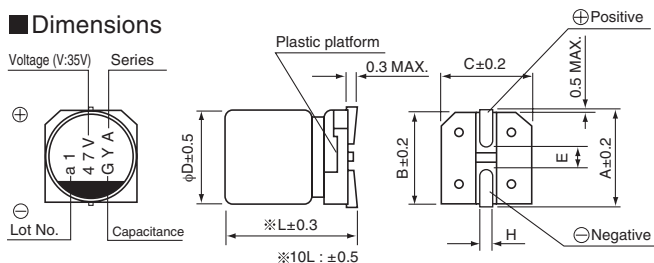
- High Reliability, Low ESR, High ripple current.
- Long life of 4000 hours at 125°C.
- Adapted to the RoHS directive (2011/65/EU).



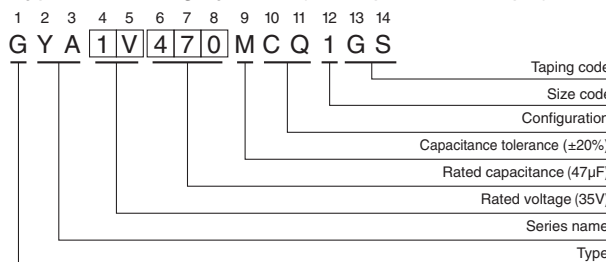
Specifications

Item	Performance Characteristics	
Category Temperature Range	-55 to +125°C	
Rated Voltage Range	25 to 63V	
Rated Capacitance Range	10 to 330μF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV(μA).	
Tangent of loss angle (tan δ)	Rated voltage (V)	25 35 50 63
	tan δ (MAX.)	0.14 0.12 0.10 0.08
ESR	Less than or equal to the specified value at 100kHz, 20°C	
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 4000 hours at 125°C, the peak voltage shall not exceed the rated voltage.	Capacitance change
		tan δ
Shelf Life	After storing the capacitors under no load at 125°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed above.	ESR
		Leakage current
Damp Heat (Steady State)	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 1000 hours at 85°C, 85% RH.	Capacitance change
		tan δ
Resistance to Soldering Heat	After soldering the Capacitor, After restored at room temperature, they meet the characteristics requirements listed below.	Leakage current
		Capacitance change
Marking	Black print on the case top.	tan δ
		Leakage current

Dimensions



Type numbering system (Example : 35V 47μF)



	(mm)			
φD×L	φ6.3×5.8	φ6.3×7.7	φ8×10	φ10×10
A	7.3	7.3	9.0	11.0
B	6.6	6.6	8.3	10.3
C	6.6	6.6	8.3	10.3
E	2.2	2.2	3.1	4.5
L	5.8	7.7	10.3	10.3
H	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1

Voltage

V	25	35	50	63
Code	E	V	H	J

Specifications

Cap. (μF)	Code	V			
		25	35	50	63
10	100	1E	1V	1H	1J
22	220			6.3×5.8 80 750	6.3×7.7 80 900
33	330			6.3×7.7 40 1100	8×10 40 1100
47	470		6.3×5.8 60 900		
56	560	6.3×5.8 50 900			10×10 30 1400
68	680		6.3×7.7 35 1400	8×10 30 1250	
100	101	6.3×7.7 30 1400		10×10 28 1600	
150	151		8×10 27 1600		
220	221	8×10 27 1600			
270	271		10×10 20 2000		
330	331	10×10 20 2000			

ESR: 100kHz, 20°C
Rated ripple Current 100kHz, 125°C

Design, Specifications are subject to change without notice.