

CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS

GYE

Chip Type, 125°C High Reliability



NEW

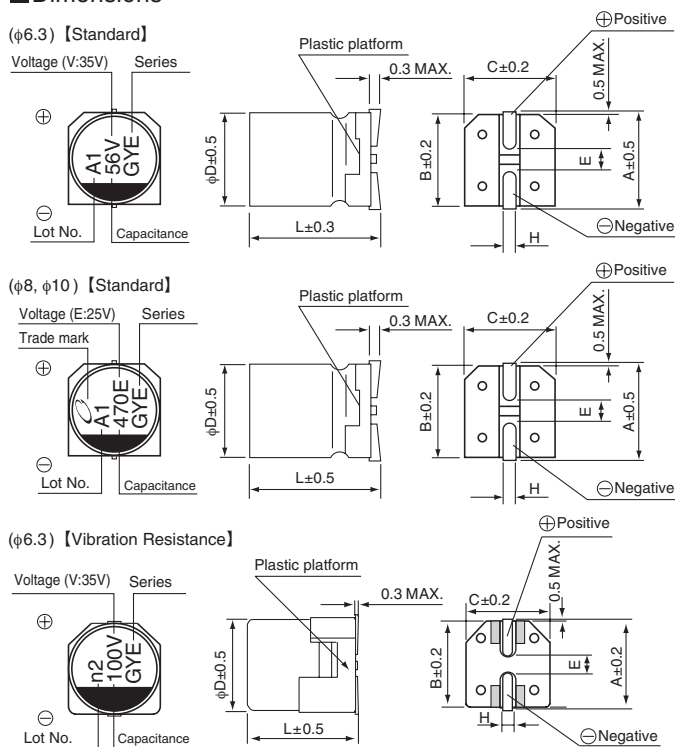
- High Reliability, Low ESR, High ripple current.
- Long life of 4000 hours at 125°C, High Capacitance.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).
- AEC-Q200 compliant. Please contact us for details.



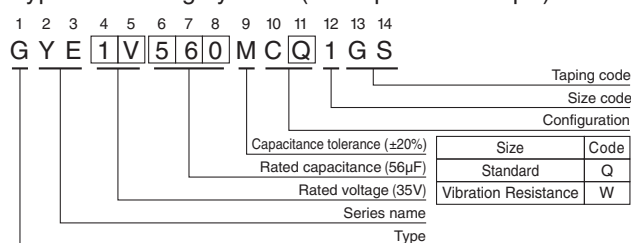
Specifications

Item	Performance Characteristics	
Category Temperature Range	-55 to +125°C	
Rated Voltage Range	25 to 35V	
Rated Capacitance Range	56 to 470μF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Tangent of loss angle (tan δ)	Rated voltage (V)	25 35
	tan δ (MAX.)	0.14 0.12
ESR	Less than or equal to the specified value at 100kHz, 20°C	
Leakage Current	After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV(μA).	
Temperature Characteristics (Max.Impedance Ratio)	Z-25°C / Z+20°C ≤ 2	
	Z-55°C / Z+20°C ≤ 2.5 (100kHz)	
Endurance	Capacitance change	Within ±30% of initial capacitance value
	tan δ	200% or less of the initial specified value
	ESR	200% or less of the initial specified value
	Leakage current	Less than or equal to the initial specified value
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.	
Damp Heat (Steady State)	Capacitance change	Within±30% of the initial capacitance value
	tan δ	200% or less of the initial specified value
	Leakage current	Less than or equal to the initial specified value
Resistance to Soldering Heat	Capacitance change	Within±10% of the initial capacitance value
	tan δ	Less than or equal to the initial specified value
	Leakage current	Less than or equal to the initial specified value
Marking	Black print on the case top.	

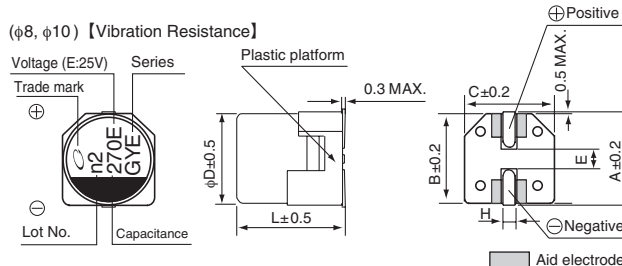
Dimensions



Type numbering system (Example : 35V 56μF)



Standard (mm)				Vibration Resistance (mm)		
Code	φ6.3x5.8	φ6.3x7.7	φ8x10	φ6.3x7.7	φ8x10	φ10x10
A	7.3	7.3	9.0	7.3	9.0	11.0
B	6.6	6.6	8.3	6.6	8.3	10.3
C	6.6	6.6	8.3	6.6	8.3	10.3
E	2.2	2.2	3.1	2.2	3.1	4.5
L	5.8	7.7	10.3	7.7	10.5	10.5
H	0.5 to 0.8	0.5 to 0.8	0.8 to 1.1	0.8 to 1.1	1.1 to 1.5	1.1 to 1.5



Frequency coefficient of rated ripple current

Frequency	120Hz	1kHz	10kHz	100kHz or more
Coefficient	0.15	0.40	0.75	1.00

Design, Specifications are subject to change without notice.

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■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μ F)	Case Size ϕ D \times L (mm)	$\tan \delta$	Leakage Current (μ A) (at 20°C after 2 minutes)	ESR (m Ω) MAX. (20°C/100kHz)	Rated Ripple (mA _{rms}) (125°C/100kHz)	Part Number
25 (1E)	68	6.3 \times 5.8	0.14	17	50	1100	GYE1E680MC□1GS
	82	6.3 \times 5.8	0.14	20.5	50	1100	GYE1E820MC□1GS
	150	6.3 \times 7.7	0.14	37.5	30	1700	GYE1E151MC□1GS
	270	8 \times 10	0.14	67.5	27	2000	GYE1E271MC□1GS
	470	10 \times 10	0.14	117.5	20	2400	GYE1E471MC□1GS
35 (1V)	56	6.3 \times 5.8	0.12	19.6	60	1100	GYE1V560MC□1GS
	100	6.3 \times 7.7	0.12	35	35	1700	GYE1V101MC□1GS
	180	8 \times 10	0.12	63	27	2000	GYE1V181MC□1GS
	330	10 \times 10	0.12	115.5	20	2400	GYE1V331MC□1GS

□ : Enter the appropriate configuration code.

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单击下面可查看定价，库存，交付和生命周期等信息

[>>Nichicon\(尼吉康\)](#)