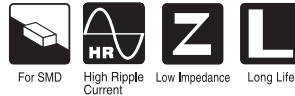
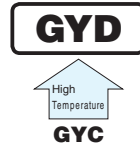


GYD Chip Type, 150°C High Reliability



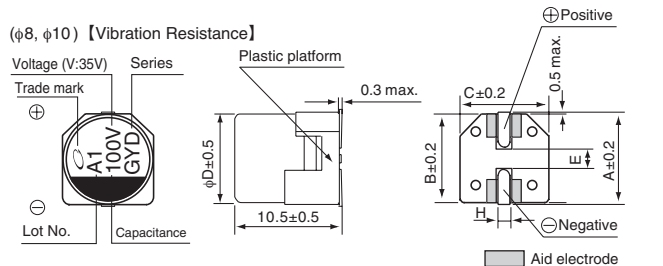
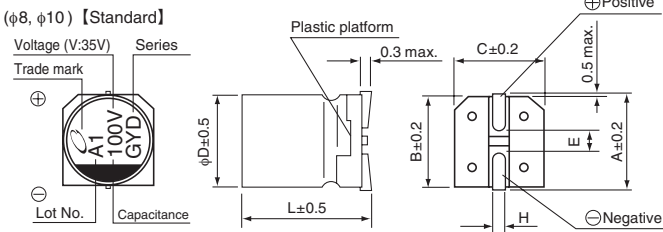
- High Reliability, Low ESR, High ripple current.
- Long life of 1000 hours at 150°C.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).
- AEC-Q200 Qualified. Please contact us for details.



■ Specifications

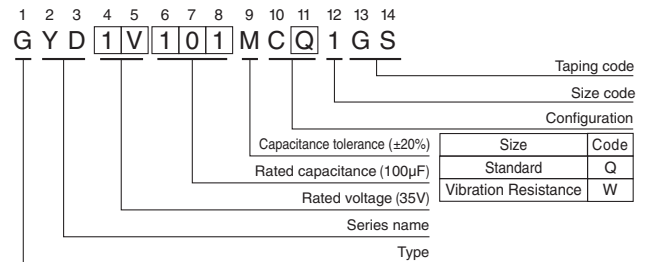
Item	Performance Characteristics	
Category Temperature Range	-55 to +150°C	
Rated Voltage Range	25 to 35V	
Rated Capacitance Range	100 to 270μF	
Capacitance Tolerance	±20% at 120Hz, 20°C	
Tangent of loss angle (tan δ)	Rated voltage (V)	25 35
	tan δ (max.)	0.14 0.12
ESR	Less than or equal to the specified 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 150°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



※ I : Leakage Current (μA), C : Rated Capacitance (μF), V : Rated Voltage (V)

Type numbering system (Example : 35V 100μF)



Standard	(mm)		Voltage	Vibration Resistance (mm)		
	φD×L	8 × 10		10 × 10	φD×L	8 × 10
A	9.0	11.0	V 25 35 Code E V	A	9.0	11.0
B	8.3	10.3		B	8.3	10.3
C	8.3	10.3	C	8.3	10.3	
E	3.1	4.5	E	3.1	4.5	
L	10.3	10.3	L	10.5	10.5	
H	0.8 to 1.1	0.8 to 1.1	H	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

● Dimension table in next page.



■ Dimensions

Rated Voltage (V) (code)	Rated Capacitance (μF)	Case Size φD×L (mm)	tan δ	Leakage Current (μA) (at 20°C after 2 minutes)	ESR (mΩ) max. (20°C/100kHz)	Rated Ripple (mA _{rms}) (150°C/100kHz)	Part Number
25 (1E)	150	8×10	0.14	37.5	27	1400	GYD1E151MC□1GS
	270	10×10	0.14	67.5	20	1800	GYD1E271MC□1GS
35 (1V)	100	8×10	0.12	35.0	27	1400	GYD1V101MC□1GS
	150	10×10	0.12	52.5	20	1800	GYD1V151MC□1GS

□ : Enter the appropriate configuration code.

- For taping specifications, recommended land size/soldering by reflow and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.