

## GV Series

- High ripple current
- Load life 5,000 hours at 85°C



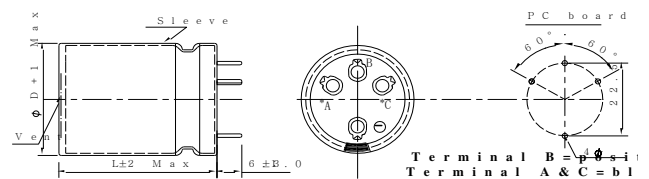
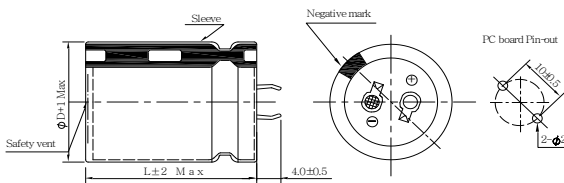
### ◆ SPECIFICATIONS

Item	Performance Characteristics		
Category Temperature Range	-25 ~ +85°C		
Working Voltage Range	200 ~ 500Vdc		
Capacitance Range	56 ~ 2200 µF		
Capacitance Tolerance	±20% (at 25°C and 120Hz)		
Dissipation Factor (tanδ) (at 25°C, 120Hz)	Rated Voltage (V)	200 ~ 450      500	
	tanδ(Max)	0.15      0.20	
	The above values should be increased by 0.02 for every additional 1000µF		
Leakage Current	I=0.02CV or 3000µA, whichever is smaller I : Leakage current (µA)    C : Rated capacitance (µF)    V : Rated voltage (V) Impress the rated voltage for 5 minutes		
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V)	200 ~250    400    420 ~ 450    500	
	Z(-25°C)/Z(+20°C)	4      4      8      8	
		(at 120Hz)	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25°C after subjected to DC voltage with the rated ripple current is applied for 5,000 hours at 85°C		
	Capacitance change	≅ ±20% of the initial value	
	Dissipation factor(tanδ)	≅ 200% of the specified value	
	Leakage current	≅ specified value	
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25°C after exposing them for 1,000 hours at 85°C without voltage applied.		
	Capacitance change	≅ ±20% of the initial value	
	Dissipation factor(tanδ)	≅ 200% of the specified value	
	Leakage current	≅ 200% of the specified value	
Others	Conforms to JIS-C-5101-4 (1998), characteristic W		

### ◆ DIMENSIONS (mm)

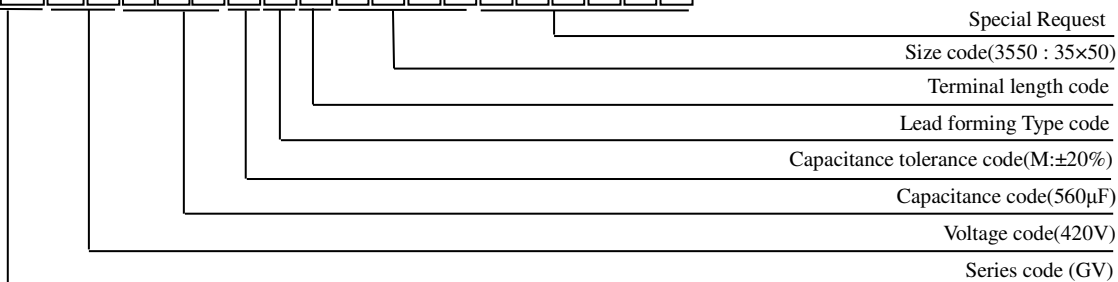
Terminal Code : ND : Standard

Terminal Code : K6 (ø35)



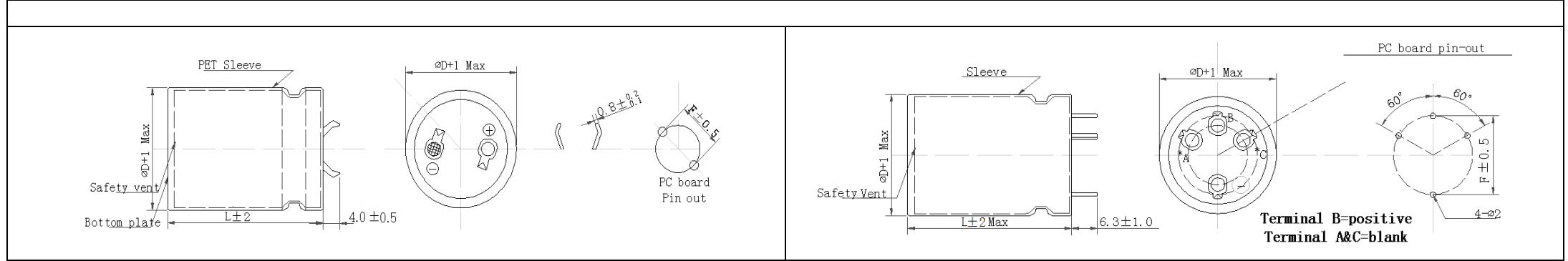
### ◆ PART NUMBER SYSTEM( Example : 420V 560µF )

G V 2 S 5 6 1 M N D 3 5 5 0 Y



## Aluminum Electrolytic Capacitor

Customer	Digi-Key	SERIES	GV	NO.:	PUBLISH DATE	2022-03-25
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No.	CHINSAN Part No.	Customer Part No.	Capacitance (uF)	Tolerance On rated Capacitance (%)	Working Voltage (Vdc)	Surge Voltage (Vdc)	Category Temp Range (°C)	Tanδ @ 25°C (120Hz) (Max)	Leakage Current (uA) (2 min.)	Rated Ripple Current (mA rms) @ 85°C 120Hz	Rated Ripple Current (mA rms) @ 85°C 100kHz	ESR @25°C (mΩ max/ 120Hz)	Impedance @20°C (mΩ max/ 100kHz)	Endurance @ 85°C (Hours)	Dimensions (mm)					Appearance Drawing No
															D Φ	L	a	d	F	
1	GV2E152MND3551	/	1500 μF	±20%	250 V	/	-25~+85	/	/	4000	/	/	/	5000	35	51	/	/	10	---
2	GV2E182MND3555	/	1800 μF	±20%	250 V	/	-25~+85	/	/	5000	/	/	/	5000	35	55	/	/	10	---
3	GV2S102MK63570Y	/	1000 μF	±20%	420 V	/	-25~+85	/	/	3720	/	/	/	5000	35	70	/	/	22.5	---

※Test leakage current before testing dissipation factor and capacitance during the electric characteristic test.

REMARKS:	APPROVED BY	CHECKED BY	PREPARED BY
Sleeve Color: Dark Blue. Suffix Y represents assembly without gasket.	张洪斌	曾爱娥	梁慧妍