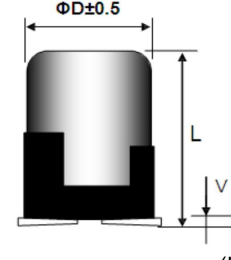
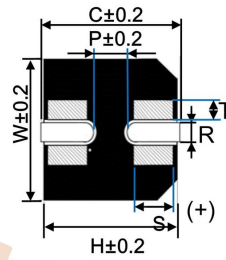
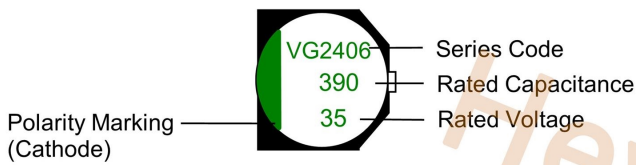


Dongguan Heyue Electronics Co., Ltd

FOR APPROVAL

1.CHARACTERISTICS TABLE



(Unit : mm)

D ^{±0.5max}	L ^{±0.5}	W ^{±0.2}	H ^{±0.2}	C ^{±0.2}	R	P ^{±0.2}
10	12.5	10.3	10.3	11	1.0to1.4	4.5

Customer:			Conductive Polymer Hybrid Aluminum Electrolytic Capacitors							Heyue	
			HVG Series							Code	
Electric Characteristics:											
	Heyue	Cap.	Cap.	Rate	Oper.	Nominal	E.S.R	Leakage	D.F.	R.C	Load
P/N	P/N	(uF)	Tol.	Volt.	Temp.	Case Size	100K Hz	Current	Max	100K Hz	Life
			(%)	(V-DC)	(℃)	D*L(mm)	Max(mΩ)	Max (uA)	(%)	(mA rms)	(hours)
	HVG1E471M1012VG-A	470	±20	25	125	10*12.5	14	117	16	3500	4000

REMARKS:

- Capacitance Test: at 20°C, 120 Hz.
- Operating temperature: -55°C ~ +125°C
- ESR Test: at 20°C, 100K Hz.
- Leakage Current Test: at 20°C for 2 minutes.
- Dissipation Factor Test: at 20°C, 120 Hz.
- Ripple Current Test: at 125°C, 100 KHz ;
- Load Life: 4000 hours, with application of working voltage at 125°C.
- Capacitance Change: Within±30% of initial value;
- tanδ: 200% or less of initial specified value;
- ESR: 200% or less of initial specified value;
- Leakage Current: Initial specified value or less;
- Moisture Resistance: After 60°C, 90~95%RH, 1000 hrs, no voltage
- Capacitance Change : Within±30% of initial value;
- tanδ: 200% or less of initial specified value;
- ESR: 200% or less of initial specified value;
- Leakage Current: Initial specified value or less.
- Special requirements; Conform to the AEC-Q200. Peak acceleration: 30G
- when have characteristic requested : Load life&shelf life test judgment standard reference to our catalogue.

●SPECIFICATION

Voltage Range	16V~125V
Leakage Current	See characteristic table (After rated voltage applied for 2 minutes)
Dissipation Factor	Measurement Frequency: 120Hz. Temperature: 20°C

●RIPPLE CURRENT COEFFICIENTS

Series	Capacitance:C(μF)	Frequency:F(Hz)			
		100Hz≤f<1KHz	1KHz≤f<10KHz	10KHz≤f<100KHz	100KHz≤f<500KHz
HVG	4.7<C≤33	0.05	0.32	0.67	1.00
	33<C	0.10	0.35	0.70	1.00