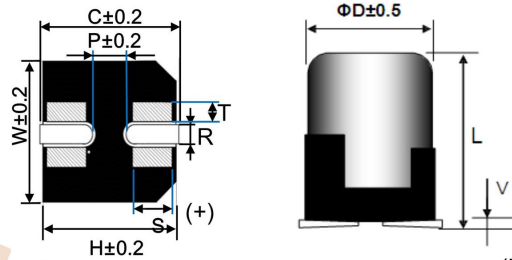
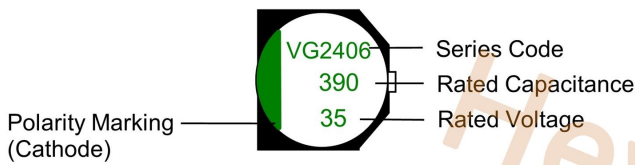


Dongguan Heyue Electronics Co., Ltd

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:											
P/N	Heyue P/N	Cap. (uF)	Cap. Tol. (%)	Rate Volt. (V-DC)	Oper. Temp. (°C)	Nominal Case Size D*L(mm)	E.S.R 100K Hz Max(mΩ)	Leakage Current Max (uA)	D.F. Max (%)	R.C 100K Hz (mA rms)	Load Life (hours)
	HVG1J470M1010VG-A	47	±20	63	125	10*10	30	29.6	16	1200	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