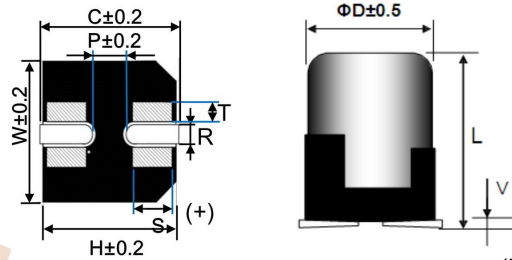
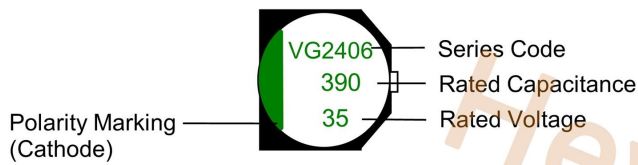


Dongguan Heyue Electronics Co., Ltd

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 HVG Series | Heyue 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) |
| | HVG1E271M1010VG-A | 270 | ±20 | 25 | 125 | 10*10 | 22 | 68 | 16 | 1500 | 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 |