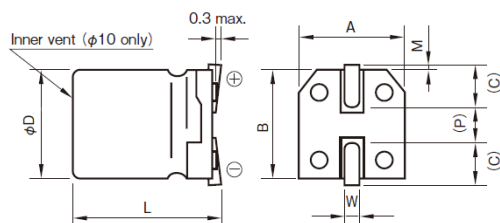


Spec Sheet

Conductive Polymer Hybrid Aluminum Electrolytic Capacitors[HVX] for General Electronic Equipment

RSHVX680M1UEH0002 (Previous PN: HVX-50V680MG10-R2)



() : Reference size

Features

- Item Summary
68uF \pm 20%, 50V, ϕ 8x10mm, SMD
- Lifecycle Stage
Mass Production (Preferred)
- Standard packaging quantity (minimum)
Embossed taping 500 pcs

Products characteristics table

| | |
|--|--|
| Operating Temp. Range | -55 to +135 °C |
| Rated Voltage | 50 V |
| Rated Capacitance | 68 uF |
| Tolerance at rated capacitance | \pm 20 % |
| Leakage current (max) | 34 uA at 2 min |
| Tangent of loss angle (tan δ) (max) | 0.1 |
| ESR (max) | 30 m Ω at 100kHz / 20 °C |
| Rated Ripple (max) | 1250 mArms at 100kHz / 135 °C |
| Impedance ratio___[-25°C/+20°C] | 1.5 |
| Impedance ratio___[-55°C/+20°C] | 2 |
| Endurance (Applied ripple current) ___[Test time] | 4000 hours at 135 °C |
| Endurance___[Leakage current] | The initial specified value or less |
| Endurance___[Capacitance change] | Within \pm 30% of initial value |
| Endurance___[tan δ change] | 200% or less of the initial specified value |
| Endurance___[ESR change] | 200% or less of the initial specified value |
| Shelf life___Test time | 1000 hours at 135°C ; Other items are same as the endurance. However, the performance shall be after voltage application treatment (JIS C5101-4). |
| RoHS Compliance (10 subst.) | Yes |
| REACH Compliance (250 subst.) | Yes |
| Soldering | Reflow |

External Dimensions

| | |
|--------------------|---------------------|
| Dimension ϕD | $\phi 8 \pm 0.5$ mm |
| Dimension L | 10 ± 0.5 mm |
| Dimension A | 8.4 ± 0.2 mm |
| Dimension B | 8.4 ± 0.2 mm |
| Dimension (C) | 3 mm |
| Dimension (P) | 3.1 mm |
| Dimension W | 0.7 to 1.1 mm |
| Dimension M | 0.4 ± 0.3 mm |

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The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
TAIYO YUDEN reserves the right to make change to the Data at any time without notice.
Before making final selection, please check product specification.