

Spec Sheet

FOR AUTOMOTIVE CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS[HTK]

HTK-50V220MF61BQ-R2

ELNA



Unit : mm

■ Features

- Item Summary
22 μ F \pm 20%, 50V, ϕ 6.3x5.8mm, SMD
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
1000

■ Products characteristics table

| | |
|--|---|
| Capacitance | 22 μ F \pm 20 % |
| Rated Voltage | 50 V |
| tan δ (max) | 0.1 |
| Operating Temp. Range | -55 to +125 °C |
| Leakage current (min) | 11 μ A at 2 min |
| Rated Ripple (max) | 750 mArms at 100k Hz / 125 °C |
| Impedance ratio ___ [-25°C/+20°C] | 1.5 |
| Impedance ratio ___ [-55°C/+20°C] | 2 |
| ESR (max) | 80 m Ω at 100k Hz / 20 °C |
| Endurance ___ [Test time] | 6000 hr at 125 °C |
| Endurance ___ [Capacitance change] | Within \pm 30% of initial value |
| Endurance ___ [tan δ change] | 200% or less of initial specified value |
| Shape | Vertical Chip for Vibration (SMD) |
| Type | Conductive Polymer Hybrid |
| RoHS Compliance (10 subst.) | Yes |
| REACH Compliance (209 subst.) | Yes |
| Soldering | Reflow |
| LeadForming/Taping | Taping Embossed |

■ External Dimensions

| | |
|--------------------|-------------------------|
| Dimension ϕ D | ϕ 6.3 \pm 0.5 mm |
| Dimension L | 5.8 \pm 0.3 mm |
| Dimension P (F) | Typ 2 mm |
| Dimension C (d) | Typ 2.7 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.

Please read this notice before using the ELNA products.



REMINDERS

- Please conduct validation and verification of the ELNA products in actual condition of mounting and operating environment before using the ELNA products.
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[>>Taiyo Yuden\(太阳诱电\)](#)