

Spec Sheet

FOR AUTOMOTIVE CONDUCTIVE POLYMER HYBRID ALUMINUM ELECTROLYTIC CAPACITORS[HVK]

HVK-50V680MG10EQ-R2

ELNA



Unit : mm

■ Features

- Item Summary
68uF±20%, 50V, $\phi 8 \times 10$ mm, SMD
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
500

■ Products characteristics table

Capacitance	68 uF ± 20 %
Rated Voltage	50 V
tan δ (max)	0.1
Operating Temp. Range	-55 to +125 °C
Leakage current (min)	34 uA at 2 min
Rated Ripple (max)	1250 mArms at 100k Hz / 125 °C
Impedance ratio ___ [-25°C/+20°C]	1.5
Impedance ratio ___ [-55°C/+20°C]	2
ESR (max)	30 m Ω at 100k Hz / 20 °C
Endurance ___ [Test time]	4000 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 (SMD)
Type	Conductive Polymer Hybrid
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Soldering	Reflow
LeadForming/Taping	Taping Embossed

■ External Dimensions

Dimension ϕD	$\phi 8 \pm 0.5$ mm
Dimension L	10 ± 0.5 mm
Dimension P (F)	Typ 3.1 mm
Dimension C (d)	Typ 3 mm

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.

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Please read this notice before using the ELNA products.



REMINDERS

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[>>Taiyo Yuden\(太阳诱电\)](#)