

Spec Sheet

FOR AUTOMOTIVE MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS[RKC]

RKC-50V162MI9#Q

ELNA



Unit : mm

■ Features

- Item Summary
1600uF±20%, 50V, φ 12.5x40mm, Leaded
- Lifecycle Stage
Mass Production (Preferred)
- AEC-Q200 qualified
- Standard packaging quantity (minimum)
500

■ Products characteristics table

Capacitance	1600 uF ± 20 %
Rated Voltage	50 V
tan δ (max)	0.1
Operating Temp. Range	-40 to +135 °C
Leakage current (min)	800 uA at 2 min
Rated Ripple (max)	3020 mArms at 100k Hz / 135 °C
Impedance ratio ___ [-40°C/+20°C]	3
ESR (max)	0.037 Ω at 100k Hz / 20 °C
Endurance ___ [Test time]	3000 hr at 135 °C
Endurance ___ [Capacitance change]	Within ±30% of initial value
Endurance ___ [tan δ change]	300% or less of initial specified value
Shape	Miniature, Lead terminal
Type	High Temperature, Low ESR, high ripple current
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 subst.)	Yes
Soldering	Flow

■ External Dimensions

Dimension φ D	φ 12.5 ±0.5 mm
Dimension L	Max 40 +2 mm
Dimension P (F)	5 ±0.5 mm
Dimension C (d)	φ 0.6 ±0.05 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.



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[>>Taiyo Yuden\(太阳诱电\)](#)