

FOR AUTOMOTIVE VERTICAL CHIP TYPE ALUMINUM ELECTROLYTIC CAPACITORS[RVC]

## RVC-50V010MD61UQ-R2

ELNA



Unit : mm

## ■ Features

- Item Summary  
1 $\mu$ F $\pm$ 20%, 50V,  $\phi$  4x5.8mm, SMD
- Lifecycle Stage  
Mass Production
- AEC-Q200 qualified
- Standard packaging quantity (minimum)  
2000

## ■ Products characteristics table

Capacitance	1 $\mu$ F $\pm$ 20 %
Rated Voltage	50 V
tan $\delta$ (max)	0.12
Operating Temp. Range	-40 to +105 $^{\circ}$ C
Leakage current (min)	3 $\mu$ A at 2 min
Rated Ripple (max)	10 mArms at 120 Hz / 105 $^{\circ}$ C
Impedance ratio ___[-25 $^{\circ}$ C/+20 $^{\circ}$ C]	2
Impedance ratio ___[-40 $^{\circ}$ C/+20 $^{\circ}$ C]	3
Endurance ___[Test time]	3000 hr at 105 $^{\circ}$ C
Endurance ___[Capacitance change]	Within $\pm$ 30% of initial value
Endurance ___[tan $\delta$ change]	300% or less of initial specified value
Shape	Vertical Chip (SMD)
Type	Long life
RoHS2 Compliance	Yes
REACH Compliance	Yes
Soldering	Reflow
LeadForming/Taping	Taping Embossed

## ■ External Dimensions

Dimension $\phi$ D	$\phi$ 4 $\pm$ 0.5 mm
Dimension L	5.8 $\pm$ 0.3 mm
Dimension P (F)	Typ 1 mm
Dimension C (d)	Typ 2 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

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Please do not incorporate the ELNA products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment). When the ELNA products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of the ELNA products and to install a protection circuit as necessary.  
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