

## VERTICAL CHIP TYPE ALUMINUM ELECTROLYTIC CAPACITORS[RVR]

## RVR-10V220MD61U-R2

ELNA



Unit : mm

## ■ Features

- Item Summary  
22 $\mu$ F $\pm$ 20%, 10V,  $\phi$ 4x5.8mm, SMD
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
2000

## ■ Products characteristics table

Capacitance	22 $\mu$ F $\pm$ 20 %
Rated Voltage	10 V
tan $\delta$ (max)	0.22
Operating Temp. Range	-40 to +105 $^{\circ}$ C
Leakage current (min)	3 $\mu$ A at 2 min
Rated Ripple (max)	33 mArms at 120 Hz / 105 $^{\circ}$ C
Impedance ratio ___[-25 $^{\circ}$ C/+20 $^{\circ}$ C]	3
Impedance ratio ___[-40 $^{\circ}$ C/+20 $^{\circ}$ C]	6
Endurance ___[Test time]	2000 hr at 105 $^{\circ}$ C
Endurance ___[Capacitance change]	Within $\pm$ 30% of initial value
Endurance ___[tan $\delta$ change]	200% 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

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

- Please conduct validation and verification of the ELNA products in actual condition of mounting and operating environment before using the ELNA products.
- The product listed in this spec sheet is intended for use in general electronic equipment (e.g., AV equipment, OA equipment, home electric appliances, office equipment, information and communication equipment including, without limitation, mobile phone, and PC), industrial equipment, automotive interior applications, and highly public information network equipment including, without limitation, telephone exchange, and base station, etc. Please be sure to contact TAIYO YUDEN for further information before using the product for any equipment which may directly cause loss of human life or bodily injury (e.g., transportation equipment including, without limitation, automotive powertrain control system, train control system, and ship control system, traffic signal equipment, disaster prevention equipment, medical equipment classified as Class I, II or III by IMDRF).  
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