

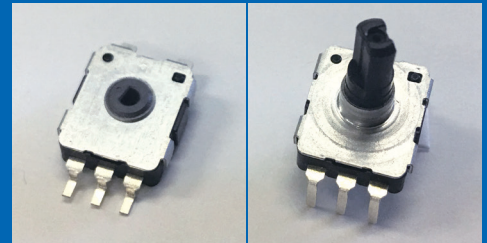
# Rotary Sensor

## Z Series 9mm size

### » SUMMARY

9mm size rotary sensor with newly developed base material. Changing from paper phenol film and other materials to an enhanced carbon resin provides increased performance. Improved linearity and reflow resistance are achieved compared to conventional design. Higher performance provided for sensor properties.

RoHS compliant and available for reflow soldering, with metal shaft.

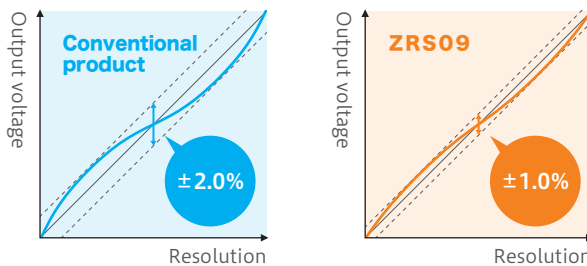


### » FEATURES

#### Enhanced performance after reflow soldering

▶ Twice the resolution of traditional design.

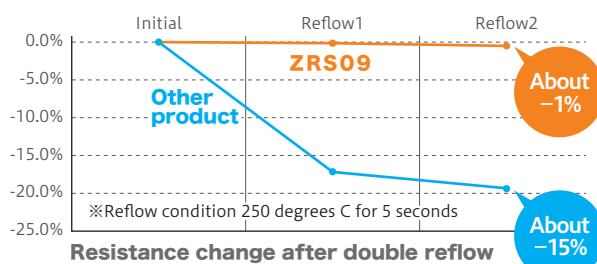
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#### Withstands double reflow

▶ Resistance change minimized to maximum 1% after double reflow.

2



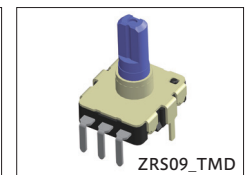
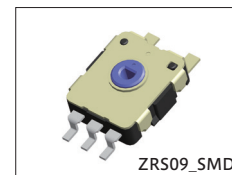
### » PRODUCT APPLICATIONS

- Position controller for radio controller
- Numerous robotic and servo functions in radio control
- Control functions for automotive air conditioning



### » BASIC SPECIFICATIONS

Available in SMD (surface mount type) and TMD (through hole type)



- Nominal total resistance: 10K ohm
- Rated voltage: 5V DC
- Mechanical rotation angle: Endless
- Electrical rotation angle: 330 degrees
- Guarantee range of linearity : 320 degrees
- Linearity: +/-1%
- Operating temperature: -40 degrees C to +85 degrees C
- Rotational Life: 1,000,000 cycles