

## Encoders

## Ring Encoder

28mm Size Ring Type

**EC28A/EC28C Series**

Thin-profile design with a 4.0mm body thickness and excellent operation feel.



Automotive

- Output signal: Two phase A and B
- Ratings: 10mA 5V DC
- Operating life: 50,000 cycles

Applications: Home: Major home appliances, Office equipment  
 Audio\_TV: Visual  
 Automotive: Navigation/audio systems, HVAC

## ■ Product List

| Products No. | Actuator length (mm) | Detent torque                                  | Number of detent | Number of pulse | Automotive | Drawing No. |
|--------------|----------------------|------------------------------------------------|------------------|-----------------|------------|-------------|
| EC28A1520401 | 15.0                 | 7±5mN·m                                        | 30               | 15              | ●          | 1           |
| EC28A1550401 | 15.0                 | 12±7mN·m                                       | 30               | 15              | ●          |             |
| EC28A1560401 | 15.0                 | 20±10mN·m                                      | 30               | 15              | ●          |             |
| EC28A1850402 | 15.0                 | 12±7mN·m                                       | 18               | 18              | ●          |             |
| EC28A1870401 | 15.0                 | 20±10mN·m                                      | 18               | 18              | ●          |             |
| EC28A1560501 | 25.0                 | 20±10mN·m                                      | 30               | 15              | ●          | 2           |
| EC28C1540403 | 15.0                 | 22±11mN·m (Initial)<br>16±7mN·m (After reflow) | 30               | 15              | ●          | 3           |

## Note

1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Please place purchase orders per minimum order unit (integer).

## ■ Packing Specifications

Tray

| Products No.                                                                 | Number of packages(pcs.) |                         | Export package measurements (mm) |
|------------------------------------------------------------------------------|--------------------------|-------------------------|----------------------------------|
|                                                                              | 1 case / Japan           | 1 case / export packing |                                  |
| EC28A1520401<br>EC28A1550401<br>EC28A1560401<br>EC28A1850402<br>EC28A1870401 | 400                      | 800                     | 509 x 366 x 287                  |
| EC28A1560501                                                                 | 420                      | 840                     | 540 x 360 x 380                  |
| EC28C1540403                                                                 | 480                      | 480                     | 440 x 290 x 205                  |

