

### 3 mm Square SMT Trimmer Potentiometers (Carbon Composition, Dustproof Type)

Type: **EVN5E**(with rotation stopper)  
**EVN5C**



#### ■ Features

- No readjustment needed through Rotor protected Structure for careless slip
- Excellent mounting efficiency due to cubic shape suited to automatic pick-and-place assembly equipment
- Excellent reliability through dustproof Structure
- Rotation stopper featured type (EVN5E□)
- Conforms to JIS C5260-1:1999

#### ■ Recommended Applications

- Audio/visual, office, and communication equipment
- General electronic equipment

#### ■ Explanation of Part Numbers

|              |   |   |                            |   |           |   |   |                                           |    |    |    |
|--------------|---|---|----------------------------|---|-----------|---|---|-------------------------------------------|----|----|----|
| 1            | 2 | 3 | 4                          | 5 | 6         | 7 | 8 | 9                                         | 10 | 11 | 12 |
| E            | V | N | 5                          | E | S         | X | 5 | 0                                         | B  | 5  | 2  |
| Product Code |   |   | Type/Structure<br>(5E, 5C) |   | Packaging |   |   | Taper & Resistance<br>Example : B52=500 Ω |    |    |    |

\*For part number details, refer to page ER137.

#### ■ Specifications

|                                       |                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------|
| Total Resistance Value                | 200 Ω to 1 MΩ                                                                            |
| Resistance Tolerance                  | ±30 %                                                                                    |
| Power Rating                          | 0.05 W (50 °C)                                                                           |
| Maximum Operating Voltage             | 50 V                                                                                     |
| Rotation Torque                       | 1 to 15 mN·m                                                                             |
| Stopper Strength                      | 20 mN·m (Stopper featured type)                                                          |
| Temperature Coefficient of Resistance | ±500 × 10 <sup>-6</sup> /°C (25 to 85 °C)<br>±750 × 10 <sup>-6</sup> /°C (-25 to +25 °C) |

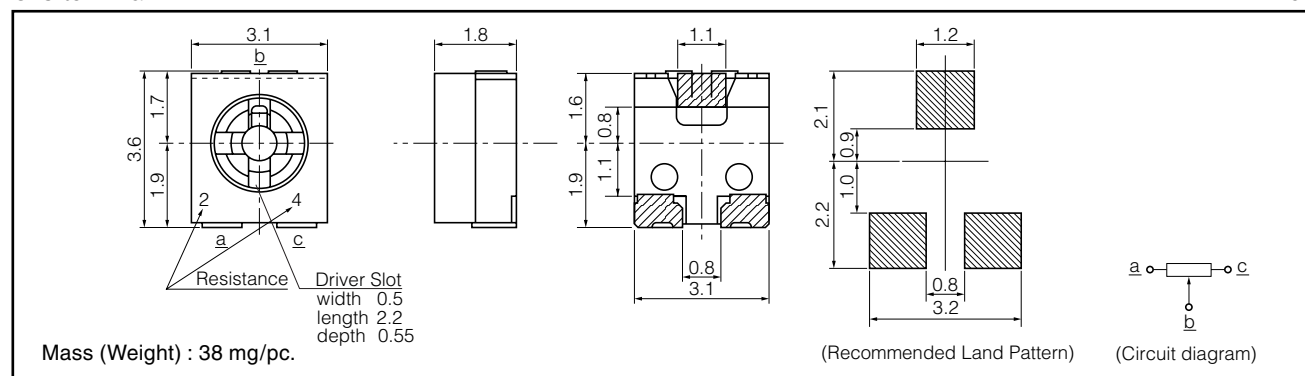
#### ■ Minimum Quantity/Packing Unit

| Part Number    | Taping            |                    |                   |
|----------------|-------------------|--------------------|-------------------|
|                | Quantity per reel | Packaging quantity | Dia. of reel (mm) |
| EVN5E<br>EVN5C | 2000              | 10000              | φ178              |

The standard packaging methods for a reel is φ178.  
Please contact us, if you would like different packaging methods. (Bulk, Reel of φ330, Reel of φ380)

#### ■ Dimensions in mm (not to scale)

- 3-terminal, Rotation stopper featured type ..... EVN5E
- 3-terminal ..... EVN5C



### ■ Explanation of Part Numbers

1

2

3

4

5

6

7

8

9

10

11

12

E

V

S

0

B

Product Code

Type/Structure

Packaging

Taper

Resistance

6th

7th

Packaging

S

X

Carrier tape  
(7th: Direction of insertion.  
Refer to Packaging Specifications)

W

\* The standard of direction of insertion is a direction X.  
EVM2T/2N type be only direction X.

8th

Quantity

Type

3

1000

EVM1D,EVM1E,EVM1U

5

2000

EVM3Y,EVM3S,EVM3R,  
EVM3V,EVN5E,EVN5C

8

3000

EVM2T,EVM2N,EVM2W,  
EVM3W

| Classification | Type              | Symbol(1th to 5th)                                                        |
|----------------|-------------------|---------------------------------------------------------------------------|
| Cermet         | 2 mm<br>Open      | EVM2T, EVM2N, EVM2W<br>(low-profile)                                      |
|                | 3 mm<br>Open      | EVM3Y, EVM3S<br>EVM3R, EVM3W(low-profile)<br>EVM3V(with rotation stopper) |
|                | 4 mm<br>Open      | EVM1D, EVM1E<br>EVM1U                                                     |
| Carbon         | 3 mm<br>Dustproof | EVN5E(with rotation stopper)<br>EVN5C                                     |

| Symbol | Resistance | EVM2T<br>EVM2N<br>EVM2W<br>EVM3Y<br>EVM3S<br>EVM3W<br>EVM3V<br>EVM1D<br>EVM1E<br>EVM1U | EVM3R | EVN5E<br>EVN5C |
|--------|------------|----------------------------------------------------------------------------------------|-------|----------------|
| 12     | 100 Ω      | ○                                                                                      | —     | —              |
| C2     | 150 Ω      | ○                                                                                      | —     | —              |
| 22     | 200 Ω      | ○                                                                                      | —     | ○              |
| E2     | 220 Ω      | ○                                                                                      | —     | ○              |
| 32     | 300 Ω      | ○                                                                                      | —     | ○              |
| Y2     | 330 Ω      | ○                                                                                      | —     | ○              |
| Q2     | 470 Ω      | ○                                                                                      | —     | ○              |
| 52     | 500 Ω      | ○                                                                                      | ○     | ○              |
| S2     | 680 Ω      | ○                                                                                      | ○     | ○              |
| 13     | 1 kΩ       | ○                                                                                      | ○     | ○              |
| C3     | 1.5 kΩ     | ○                                                                                      | ○     | ○              |
| 23     | 2 kΩ       | ○                                                                                      | ○     | ○              |
| E3     | 2.2 kΩ     | ○                                                                                      | ○     | ○              |
| 33     | 3 kΩ       | ○                                                                                      | ○     | ○              |
| Y3     | 3.3 kΩ     | ○                                                                                      | ○     | ○              |
| Q3     | 4.7 kΩ     | ○                                                                                      | ○     | ○              |
| 53     | 5 kΩ       | ○                                                                                      | ○     | ○              |
| S3     | 6.8 kΩ     | ○                                                                                      | ○     | ○              |
| 14     | 10 kΩ      | ○                                                                                      | ○     | ○              |
| C4     | 15 kΩ      | ○                                                                                      | ○     | ○              |
| 24     | 20 kΩ      | ○                                                                                      | ○     | ○              |
| E4     | 22 kΩ      | ○                                                                                      | ○     | ○              |
| 34     | 30 kΩ      | ○                                                                                      | ○     | ○              |
| Y4     | 33 kΩ      | ○                                                                                      | ○     | ○              |
| Q4     | 47 kΩ      | ○                                                                                      | ○     | ○              |
| 54     | 50 kΩ      | ○                                                                                      | ○     | ○              |
| S4     | 68 kΩ      | ○                                                                                      | ○     | ○              |
| 15     | 100 kΩ     | ○                                                                                      | ○     | ○              |
| C5     | 150 kΩ     | ○                                                                                      | ○     | ○              |
| 25     | 200 kΩ     | ○                                                                                      | ○     | ○              |
| E5     | 220 kΩ     | ○                                                                                      | ○     | ○              |
| 35     | 300 kΩ     | ○                                                                                      | ○     | ○              |
| Y5     | 330 kΩ     | ○                                                                                      | ○     | ○              |
| Q5     | 470 kΩ     | ○                                                                                      | ○     | ○              |
| 55     | 500 kΩ     | ○                                                                                      | ○     | ○              |
| S5     | 680 kΩ     | ○                                                                                      | ○     | ○              |
| 16     | 1 MΩ       | ○                                                                                      | ○     | ○              |

11th

Significant  
Number  
of resistance

12th

Number of zero

| 11th | Significant<br>number |
|------|-----------------------|
| C    | 1.5                   |
| E    | 2.2                   |
| Y    | 3.3                   |
| Q    | 4.7                   |
| S    | 6.8                   |

When significant number is odd, letters are assigned as shown above.