



# THE DATASHEET OF EVM-3YSX50B12



### 3 mm Square SMT Trimmer Potentiometers (Cermet, Open Frame Type)

Type: **EVM3Y**  
**EVM3S**  
**EVM3R**



3Y



3S



3R

#### ■ Features

- Automatic adjustment type (EVM3Y)
- Both sides adjust type (EVM3S)
- Back side adjust type and low-profile 0.9 mm (1.0 mm max.) EVM3R
- High reliability realized by cermet element
- Excellent mountability
- 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       |
| <b>E</b>     | <b>V</b> | <b>M</b> | <b>3</b>                       | <b>Y</b> | <b>S</b>  | <b>X</b> | <b>5</b> | <b>0</b> | <b>B</b>                                  | <b>5</b> | <b>2</b> |
| Product Code |          |          | Type/Structure<br>(3Y, 3S, 3R) |          | Packaging |          |          |          | Taper & Resistance<br>Example : B52=500 Ω |          |          |

\*For part number details, Please see page 93.

#### ■ Specifications

|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Total Resistance Value<br>Resistance Tolerance | EVM3Y 3S : 100 Ω to 1 MΩ / EVM3R : 500 Ω to 1 MΩ<br>±25 % |
| Power Rating<br>Limiting Element Voltage       | 0.15 W<br>50 V                                            |
| Rotation Torque                                | EVM3Y, 3S : 2 to 20 mN·m / EVM3R : 1 to 20 mN·m           |
| Temperature Coefficient of Resistance          | ±250 × 10 <sup>-6</sup> /°C                               |

#### ■ Minimum Quantity/Packing Unit

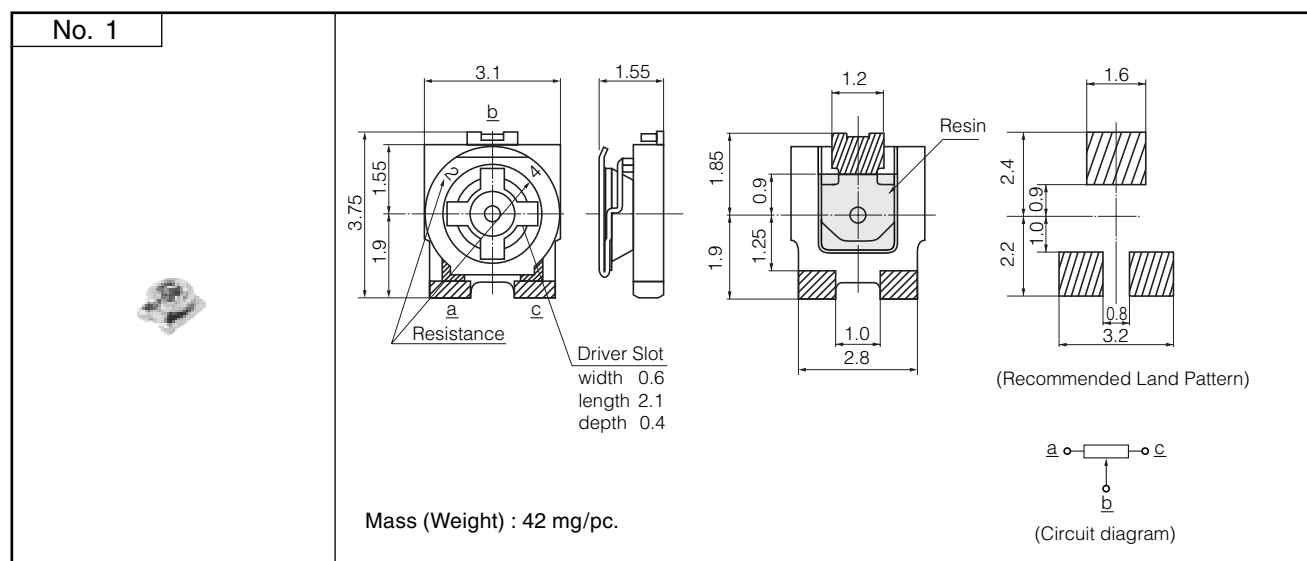
| Part Number             | Taping            |                    |                      |
|-------------------------|-------------------|--------------------|----------------------|
|                         | Quantity per reel | Packaging quantity | Dia. of reel<br>(mm) |
| EVM3Y<br>EVM3S<br>EVM3R | 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)

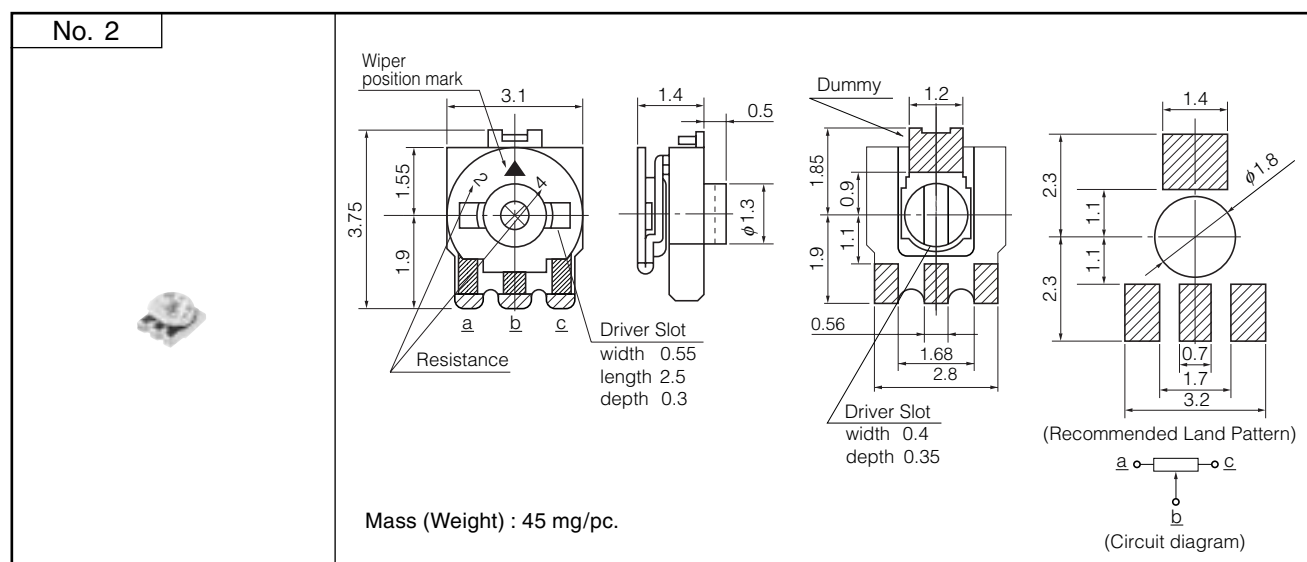
Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.  
Should a safety concern arise regarding this product, please be sure to contact us immediately.

■ Dimensions in mm (not to scale)

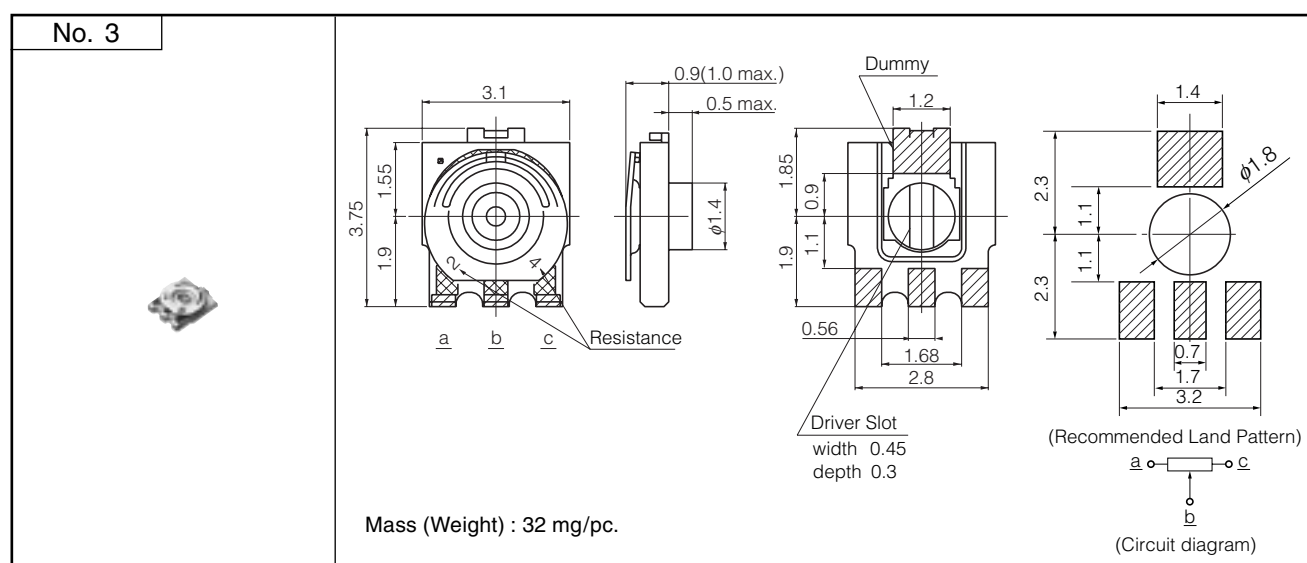
- 3-terminal, for Automatic Trimming Adjustment/Low-profile .....EVM3Y



- 3-terminal, Both Sides Adjust .....EVM3S

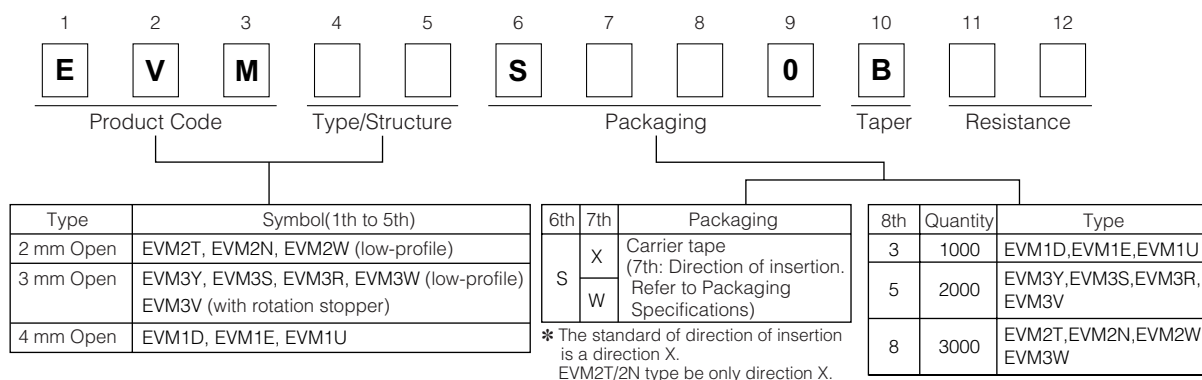


- 3-terminal, Back Side Adjust .....EVM3R

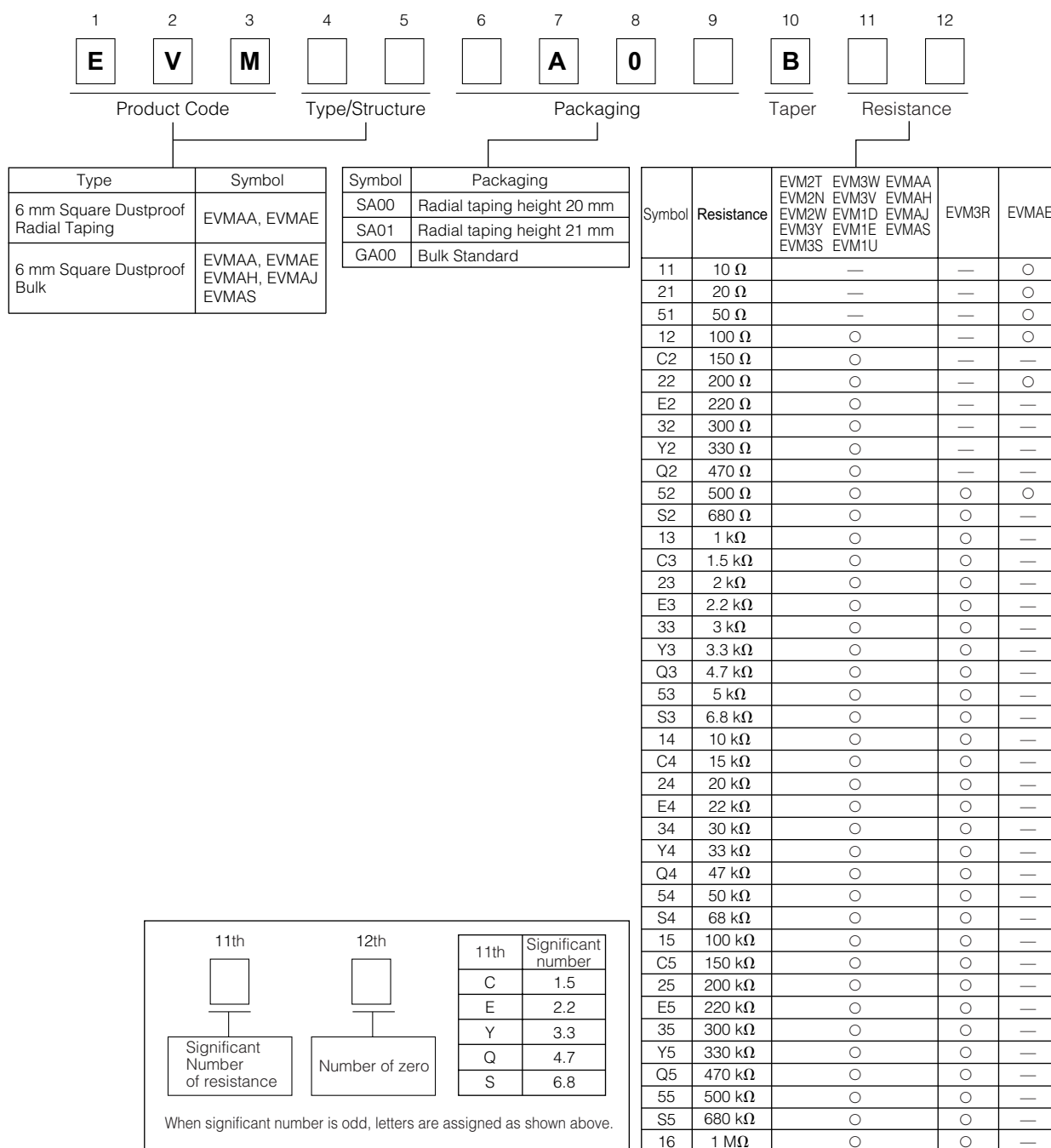


### ■ Explanation of Part Numbers

#### ● SMT Trimmer Potentiometers



#### ● Ceramic Trimmer Potentiometers



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- ⊖ [Panasonic](#) Information

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