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
- RoHS compliant

■ 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	M	3	Y	S	X	5	0	B	5	2
Product Code			Type/Structure (3Y, 3S, 3R)		Packaging				Taper & Resistance Example : B52=500 Ω		

✻For part number details, Please see page 93.

■ Specifications

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

■ Minimum Quantity/Packing Unit

Part Number	Taping		
	Quantity per reel	Packaging quantity	Dia. of reel (mm)
EVM3Y EVM3S 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.

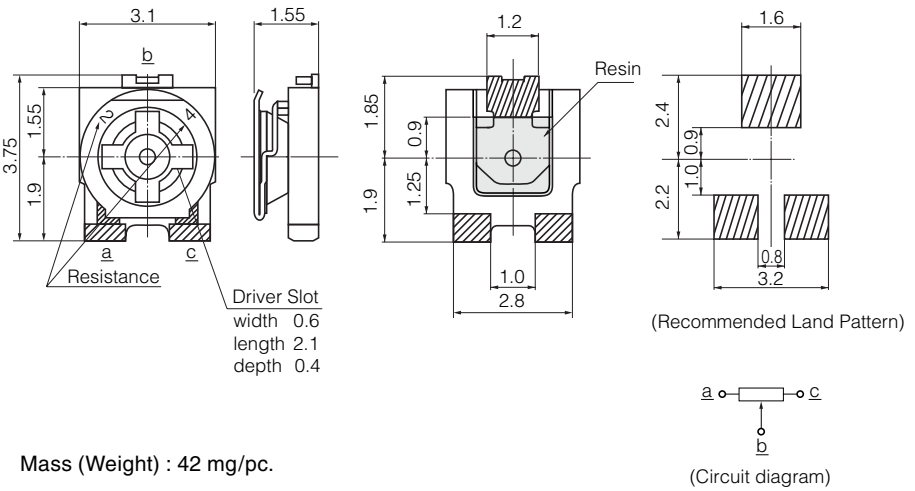
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■ Dimensions in mm (not to scale)

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

No. 1



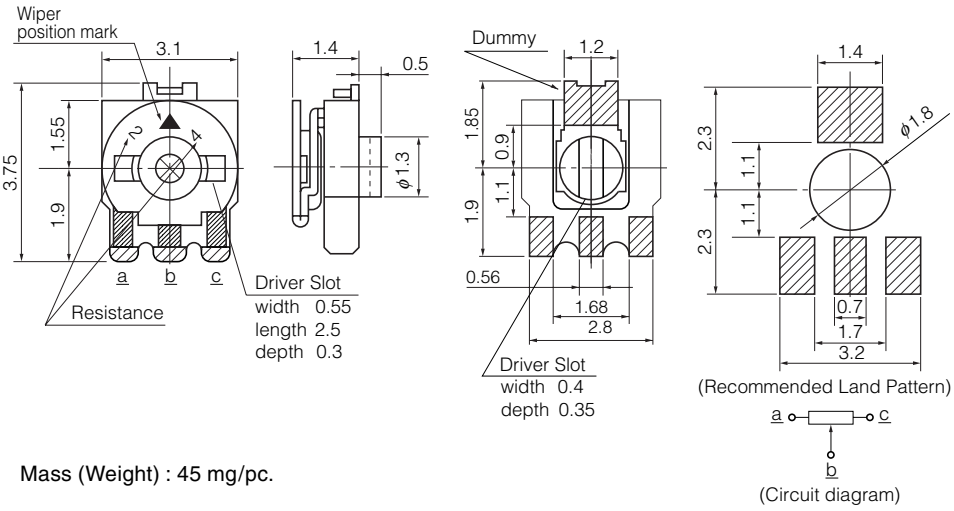


Mass (Weight) : 42 mg/pc.

● 3-terminal, Both Sides Adjust ····· EVM3S

No. 2



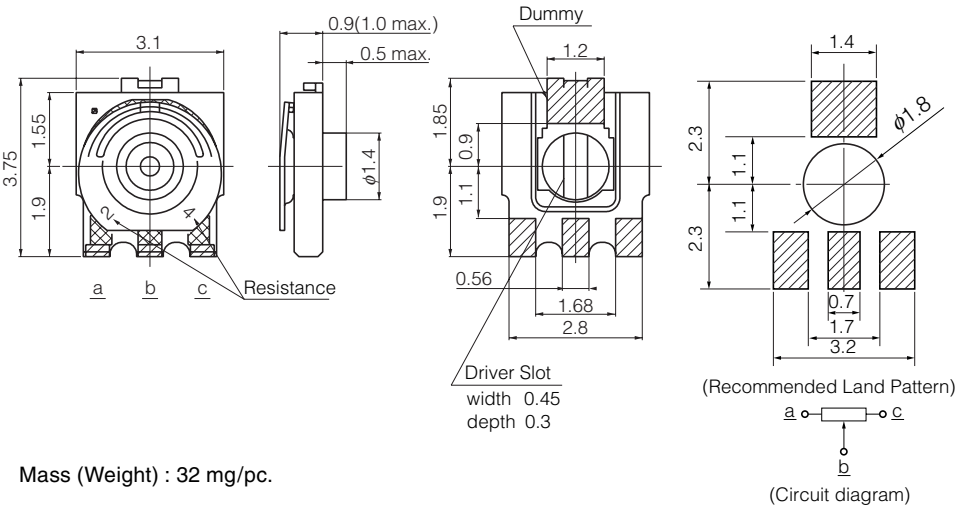


Mass (Weight) : 45 mg/pc.

● 3-terminal, Back Side Adjust ····· EVM3R

No. 3





Mass (Weight) : 32 mg/pc.

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■ Explanation of Part Numbers

● SMT Trimmer Potentiometers

1	2	3	4	5	6	7	8	9	10	11	12
E	V	M			S			0	B		
Product Code			Type/Structure		Packaging				Taper	Resistance	

Type	Symbol(1th to 5th)
2 mm Open	EVM2T, EVM2N, EVM2W (low-profile)
3 mm Open	EVM3Y, EVM3S, EVM3R, EVM3W (low-profile) EVM3V (with rotation stopper)
4 mm Open	EVM1D, EVM1E, EVM1U

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
8	3000	EVM2T,EVM2N,EVM2W, EVM3W

● Ceramic Trimmer Potentiometers

1	2	3	4	5	6	7	8	9	10	11	12
E	V	M				A	0		B		
Product Code			Type/Structure		Packaging				Taper	Resistance	

Type	Symbol
6 mm Square Dustproof Radial Taping	EVMAA, EVMAE
6 mm Square Dustproof Bulk	EVMAA, EVMAE EVMAH, EVMAJ EVMAS

Symbol	Packaging
SA00	Radial taping height 20 mm
SA01	Radial taping height 21 mm
GA00	Bulk Standard

Symbol	Resistance	EVM2T EVM3W EVMAA EVM2N EVM3V EVMAH EVM2W EVM1D EVMAJ EVM3Y EVM1E EVMAS EVM3S EVM1U	EVM3R	EVMAE
11	10 Ω	—	—	○
21	20 Ω	—	—	○
51	50 Ω	—	—	○
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	12th
Significant Number of resistance	Number of zero

11th	Significant 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.

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