Compact Thumb-wheel Driving Rotary Potentiometers

Type: **EVLH**

■ Features
- Dustproof molded structure
- Wave-soldering available
- Custom-designed thumb wheels available

■ Recommended Applications
- Radios, Headphone Cassette Tape Players, Micro-cassette Tape Recorders
- LCD screen TVs, VCRs
- Contrast control for LCDs

■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9	10	11	12
E	V	L	H								
Product Code			Specifications			Wheel Shape			Taper & Resistance		

■ Specifications

Mechanical	Rotation Angle	260 °
	Rotation Torque	0.5 mN·m to 6 mN·m
	Shaft Stopper Strength	60 mN·m min.
	Detent	Center detent available
Electrical	Nominal Total Resistance	1 kΩ to 250 kΩ (Tolerance ±20 %) 1 kΩ to 500 kΩ (B) (Tolerance ±20 %)
	Taper	Measuring method: Voltage between T1 & T2 / Voltage between T1 & T3 ×100(%) At 50 % of effective rotation

EIAJ	Panasonic	EVLH
15A	A	10 to 25
1B	B	40 to 60
15C	C	10 to 25*
10A	D	6 to 15

*Angle from terminal 3 side. (Voltage between T2 & T3 / Voltage between T1 & T3 ×100 (%))

	Power Rating: 0.03 W (Taper B), 0.01 W (Others)

Residual Resistance (Taper & Terminal / R=Nominal Total Resistance)

R=Nominal Total Resistance	A·B·D : T1 & T2 B·C : T2 & T3	A·D : T2 & T3 C : T1 & T2
R ≦ 50 kΩ	2 Ω	25 Ω
50 kΩ < R ≦ 250 kΩ	25 Ω	50 Ω
250 kΩ < R ≦500 kΩ	100 Ω	100 Ω

	Noise Level	100 mV max.
Endurance	Operating Life	10000 cycles min.
Minimum Quantity/Packing Unit		100 pcs. Polyethylene Bag (Bulk)
Quantity/Carton		4000 pcs.

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)

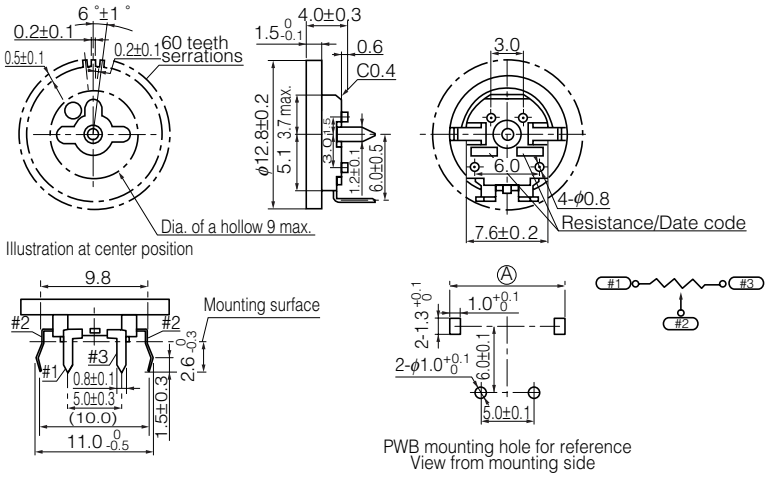
● 7 mm Dia. Single

Pre-coupled wheel ····· EVLH

No. 1

Wheel color	Part No.	Midpoint Detent
Black	EVLHFAA01	—
White	EVLHFAA02	—
Gray	EVLHFAA03	—
Black	EVLHFKA01	with
White	EVLHFKA02	with
Gray	EVLHFKA03	with

Wheel dia. ϕ12.8 mm

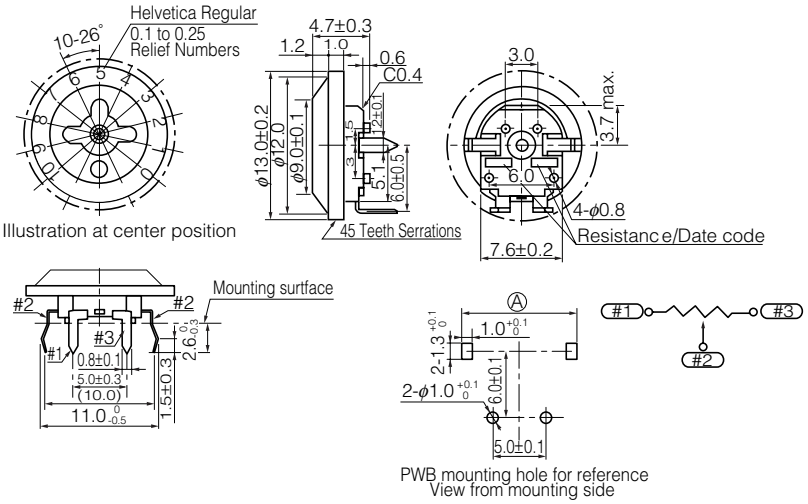


PWB thickness	Ⓐ
1.2±0.1	10.3±0.1
1.0±0.1	10.2 0 -0.1

No. 2

Wheel color	Part No.	Midpoint Detent
Black	EVLHFAA06	—
Black	EVLHFKA06	with

Wheel dia. ϕ13.0 mm



PWB thickness	Ⓐ
1.2±0.1	10.3±0.1
1.0±0.1	10.2 0 -0.1

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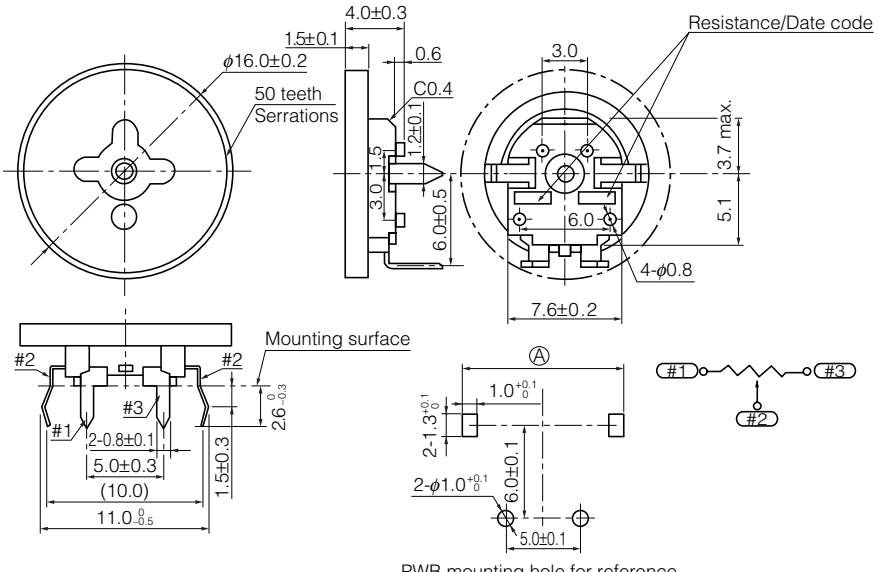
Pre-coupled wheel ..... EVLH

No. 3

Wheel color	Part No.	Midpoint Detent
Black	EVLHFAA05	—
Black	EVLHFKA05	with

Wheel dia. ϕ16.0 mm



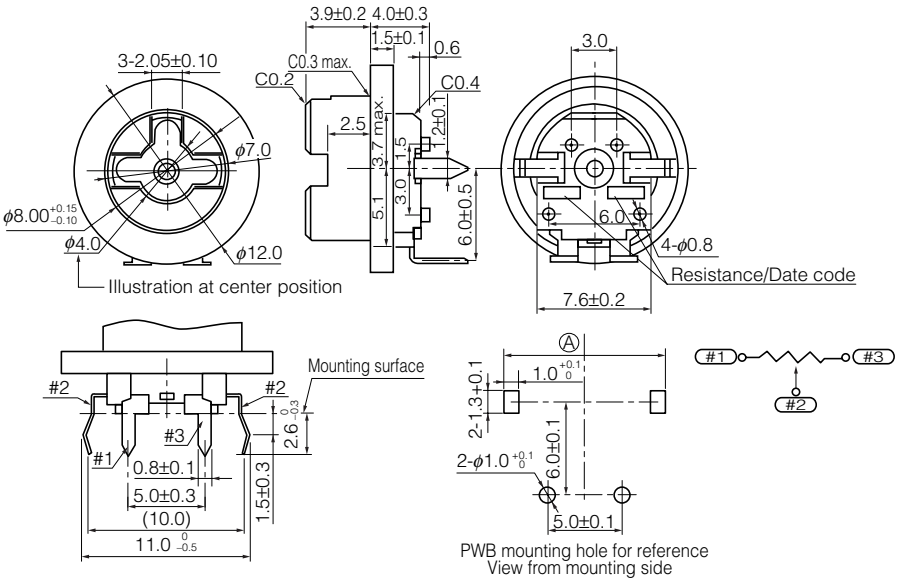
PWB mounting hole for reference
View from mounting side

PWB thickness	Ⓐ
1.2±0.1	10.3±0.1
1.0±0.1	10.2 0 -0.1

Post-coupled wheel ..... EVLH

No. 4

Wheel color	Part No.	Midpoint Detent
Black	EVLHFAA08	—
Black	EVLHFKA08	with

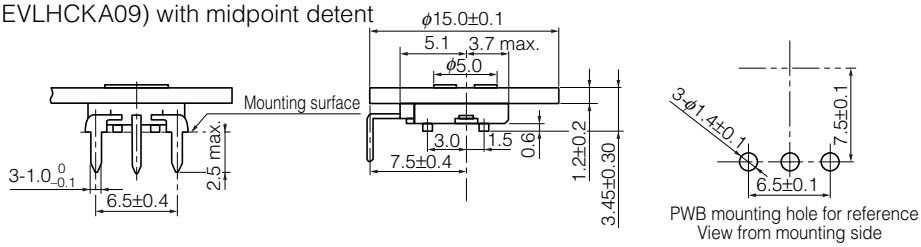


PWB mounting hole for reference
View from mounting side

PWB thickness	Ⓐ
1.2±0.1	10.3±0.1
1.0±0.1	10.2 0 -0.1

No. 5

In-line terminal type is also available.
(EVLHCAA09)
(EVLHCKA09) with midpoint detent



PWB mounting hole for reference
View from mounting side

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