

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Panasonic Electronic Components](#)
[EVL-HFAA01B53](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

Panasonic

Rotary Potentiometers/EVLH

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	<table><tr><td colspan="2"><div><div></div><div>Measuring method</div></div></td><td>$\frac{\text{Voltage between T1 \& T2}}{\text{Voltage between T1 \& T3}} \times 100(\%)$ At 50 % of effective rotation</td></tr><tr><td>EIAJ</td><td>Panasonic</td><td>EVLH</td></tr><tr><td>15A</td><td>A</td><td>10 to 25</td></tr><tr><td>1B</td><td>B</td><td>40 to 60</td></tr><tr><td>15C</td><td>C</td><td>10 to 25*</td></tr><tr><td>10A</td><td>D</td><td>6 to 15</td></tr></table>			<div><div></div><div>Measuring method</div></div>		$\frac{\text{Voltage between T1 \& T2}}{\text{Voltage between T1 \& T3}} \times 100(\%)$ 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
		<div><div></div><div>Measuring method</div></div>		$\frac{\text{Voltage between T1 \& T2}}{\text{Voltage between T1 \& T3}} \times 100(\%)$ 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																				
<div>*Angle from terminal 3 side. $\left(\frac{\text{Voltage between T2 \& T3}}{\text{Voltage between T1 \& T3}} \times 100 (\%) \right)$</div>																						
Power Rating	0.03 W (Taper B), 0.01 W (Others)																					
Residual Resistance	<table><tr><td><div><div></div><div>Taper & Terminal</div></div></td><td>A·B·D : T1 & T2 B·C : T2 & T3</td><td>A·D : T2 & T3 C : T1 & T2</td></tr><tr><td>R=Nominal Total Resistance</td><td></td><td></td></tr><tr><td>R ≤ 50 kΩ</td><td>2 Ω</td><td>25 Ω</td></tr><tr><td>50 kΩ < R ≤ 250 kΩ</td><td>25 Ω</td><td>50 Ω</td></tr><tr><td>250 kΩ < R ≤500 kΩ</td><td>100 Ω</td><td>100 Ω</td></tr></table>			<div><div></div><div>Taper & Terminal</div></div>	A·B·D : T1 & T2 B·C : T2 & T3	A·D : T2 & T3 C : T1 & T2	R=Nominal Total Resistance			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				
	<div><div></div><div>Taper & Terminal</div></div>	A·B·D : T1 & T2 B·C : T2 & T3	A·D : T2 & T3 C : T1 & T2																			
	R=Nominal Total Resistance																					
	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/Cartron		4000 pcs.																				


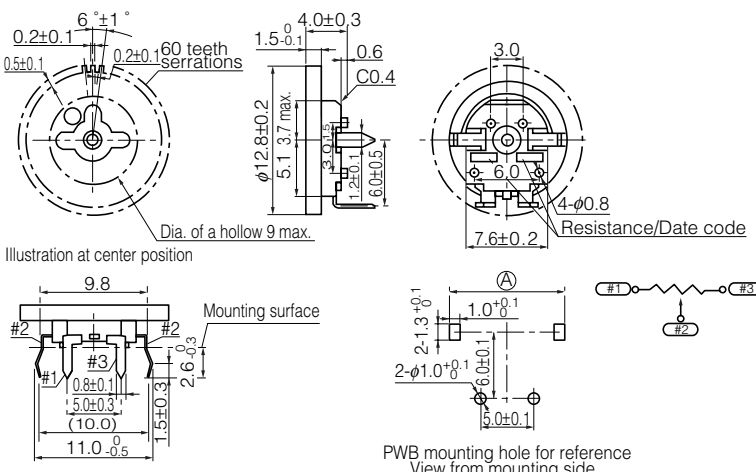

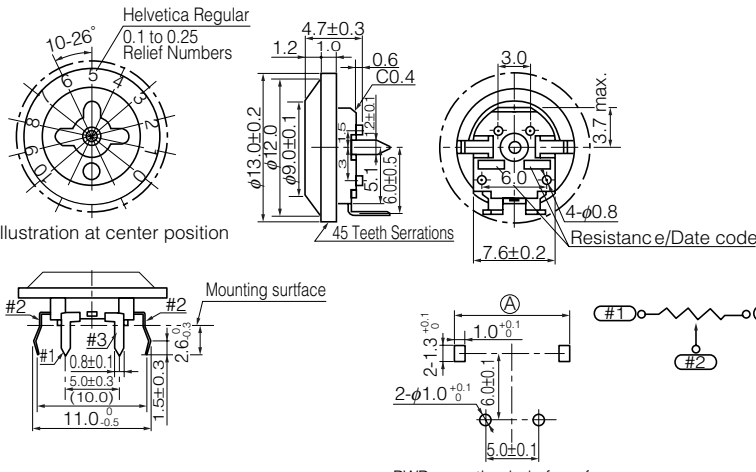
Panasonic

Rotary Potentiometers/EVLH

■ Dimensions in mm (not to scale)

● 7 mm Dia. Single

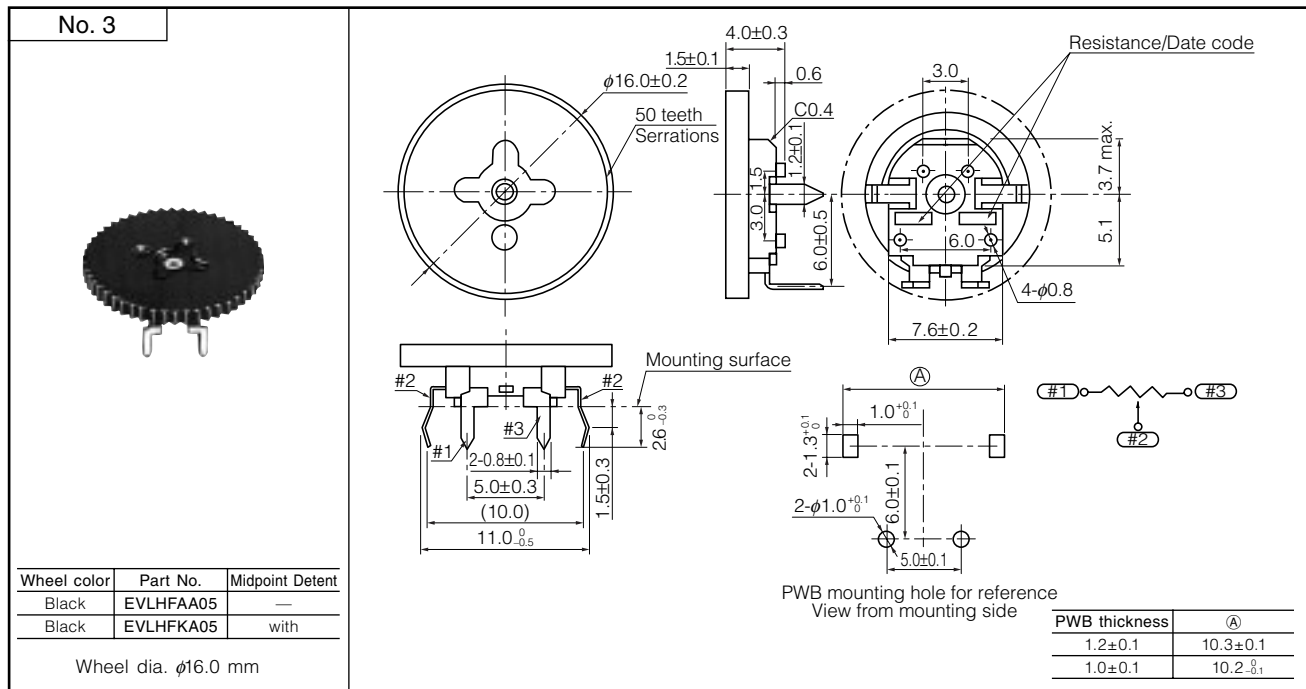
Pre-coupled wheel EVLH

No. 1																							
<div></div> <div></div> <div><table><tr><th>Wheel color</th><th>Part No.</th><th>Midpoint Detent</th></tr><tr><td>Black</td><td>EVLHFAA01</td><td>—</td></tr><tr><td>White</td><td>EVLHFAA02</td><td>—</td></tr><tr><td>Gray</td><td>EVLHFAA03</td><td>—</td></tr><tr><td>Black</td><td>EVLHFKA01</td><td>with</td></tr><tr><td>White</td><td>EVLHFKA02</td><td>with</td></tr><tr><td>Gray</td><td>EVLHFKA03</td><td>with</td></tr></table><p>Wheel dia. $\phi 12.8$ mm</p></div>			Wheel color	Part No.	Midpoint Detent	Black	EVLHFAA01	—	White	EVLHFAA02	—	Gray	EVLHFAA03	—	Black	EVLHFKA01	with	White	EVLHFKA02	with	Gray	EVLHFKA03	with
Wheel color	Part No.	Midpoint Detent																					
Black	EVLHFAA01	—																					
White	EVLHFAA02	—																					
Gray	EVLHFAA03	—																					
Black	EVLHFKA01	with																					
White	EVLHFKA02	with																					
Gray	EVLHFKA03	with																					
No. 2																							
<div></div> <div></div> <div><table><tr><th>Wheel color</th><th>Part No.</th><th>Midpoint Detent</th></tr><tr><td>Black</td><td>EVLHFAA06</td><td>—</td></tr><tr><td>Black</td><td>EVLHFKA06</td><td>with</td></tr></table><p>Wheel dia. $\phi 13.0$ mm</p></div>			Wheel color	Part No.	Midpoint Detent	Black	EVLHFAA06	—	Black	EVLHFKA06	with												
Wheel color	Part No.	Midpoint Detent																					
Black	EVLHFAA06	—																					
Black	EVLHFKA06	with																					

Panasonic

Rotary Potentiometers/EVLH

Pre-coupled wheel EVLH



Post-coupled wheel EVLH

