



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Compact Thumb-wheel Driving Rotary Potentiometers

Type: **EVLH**



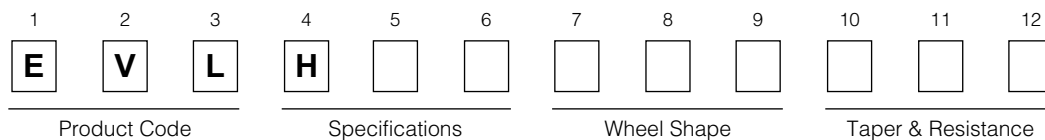
■ Features

- 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




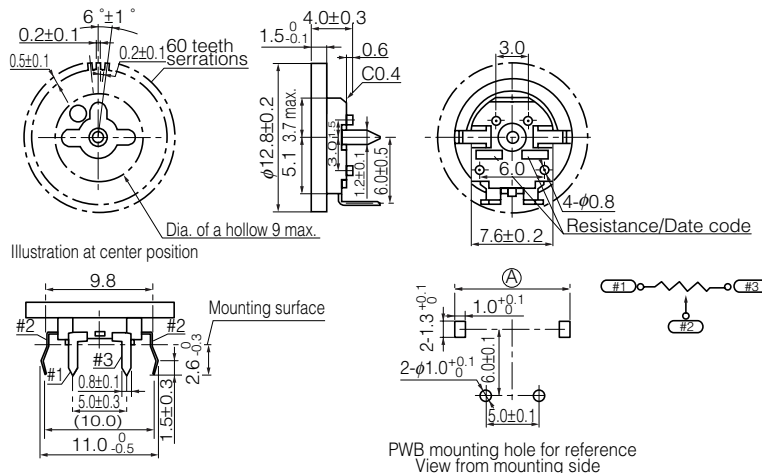
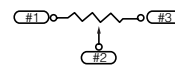

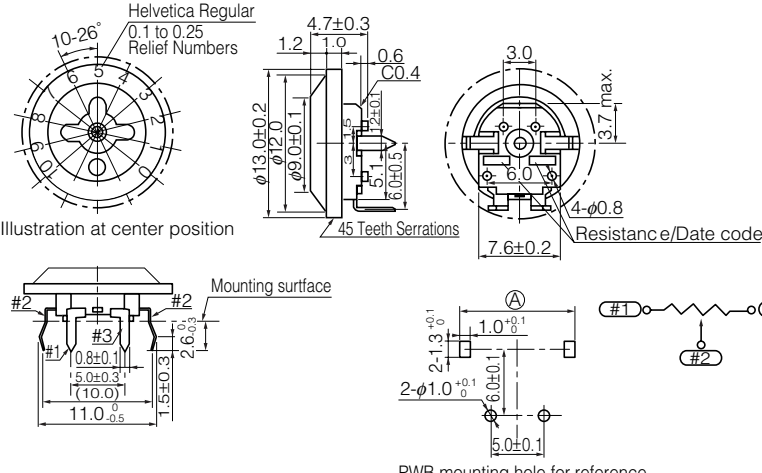
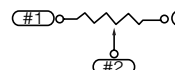
■ Specifications

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 border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Measuring method</th> <th rowspan="2" style="text-align: center;">Voltage between T1 & T2 Voltage between T1 & T3 ×100(%) At 50 % of effective rotation</th> </tr> <tr> <th style="text-align: center;">EIAJ</th> <th style="text-align: center;">Panasonic</th> </tr> <tr> <td style="text-align: center;">15A</td> <td style="text-align: center;">A</td> <td style="text-align: center;">EVLH 10 to 25</td> </tr> <tr> <td style="text-align: center;">1B</td> <td style="text-align: center;">B</td> <td style="text-align: center;">40 to 60</td> </tr> <tr> <td style="text-align: center;">15C</td> <td style="text-align: center;">C</td> <td style="text-align: center;">10 to 25*</td> </tr> <tr> <td style="text-align: center;">10A</td> <td style="text-align: center;">D</td> <td style="text-align: center;">6 to 15</td> </tr> </table>	Measuring method		Voltage between T1 & T2 Voltage between T1 & T3 ×100(%) At 50 % of effective rotation	EIAJ	Panasonic	15A	A	EVLH 10 to 25	1B	B	40 to 60	15C	C	10 to 25*	10A	D	6 to 15	
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	*Angle from terminal 3 side. $\left(\frac{\text{Voltage between T2 \& T3}}{\text{Voltage between T1 \& T3}} \times 100 (\%) \right)$																			
Power Rating	0.03 W (Taper B), 0.01 W (Others)																			
Residual Resistance	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center;">Taper & Terminal</th> <th style="text-align: center;">A·B·D : T1 & T2 B·C : T2 & T3</th> <th style="text-align: center;">A·D : T2 & T3 C : T1 & T2</th> </tr> <tr> <td style="text-align: center;">R ≤ 50 kΩ</td> <td style="text-align: center;">2 Ω</td> <td style="text-align: center;">25 Ω</td> </tr> <tr> <td style="text-align: center;">50 kΩ < R ≤ 250 kΩ</td> <td style="text-align: center;">25 Ω</td> <td style="text-align: center;">50 Ω</td> </tr> <tr> <td style="text-align: center;">250 kΩ < R ≤ 500 kΩ</td> <td style="text-align: center;">100 Ω</td> <td style="text-align: center;">100 Ω</td> </tr> </table>	Taper & Terminal	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							
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Noise Level	100 mV max.																			
Endurance	Operating Life	10000 cycles min.																		
Minimum Quantity/Packing Unit		100 pcs. Polyethylene Bag (Bulk)																		
Quantity/Carton		4000 pcs.																		

■ Dimensions in mm (not to scale)

● 7 mm Dia. Single

Pre-coupled wheel EVLH

No. 1														
	 <p style="text-align: center;">Illustration at center position</p> <p style="text-align: center;">Mounting surface</p> <p style="text-align: center;">PWB mounting hole for reference View from mounting side</p>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Wheel color</th> <th>Part No.</th> <th>Midpoint Detent</th> </tr> </thead> <tbody> <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> </tbody> </table>	Wheel color	Part No.	Midpoint Detent	Black	EVLHFAA01	—	White	EVLHFAA02	—	Gray	EVLHFAA03	—		
Wheel color	Part No.	Midpoint Detent												
Black	EVLHFAA01	—												
White	EVLHFAA02	—												
Gray	EVLHFAA03	—												
Wheel dia. $\phi 12.8$ mm														
<table border="1" style="width: 50%; border-collapse: collapse;"> <thead> <tr> <th>PWB thickness</th> <th>(A)</th> </tr> </thead> <tbody> <tr> <td>1.2±0.1</td> <td>10.3±0.1</td> </tr> <tr> <td>1.0±0.1</td> <td>10.2$^{+0.0}_{-0.1}$</td> </tr> </tbody> </table>			PWB thickness	(A)	1.2±0.1	10.3±0.1	1.0±0.1	10.2 $^{+0.0}_{-0.1}$						
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Black	EVLHFAA06	—												
Black	EVLHFAA06	with												
Wheel dia. $\phi 13.0$ mm														
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Pre-coupled wheel EVLH

No. 3

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

Wheel dia. $\phi 16.0$ mm

PWB thickness	④
1.2±0.1	10.3±0.1
1.0±0.1	10.2 $\frac{3}{4}$

Post-coupled wheel EVLH

No. 4

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

PWB thickness	④
1.2±0.1	10.3±0.1
1.0±0.1	10.2 $\frac{3}{4}$

No. 5 In-line terminal type is also available.
(EVLHCAA09)
(EVLHCKA09) with midpoint detent

PWB thickness	④
1.2±0.1	10.3±0.1
1.0±0.1	10.2 $\frac{3}{4}$