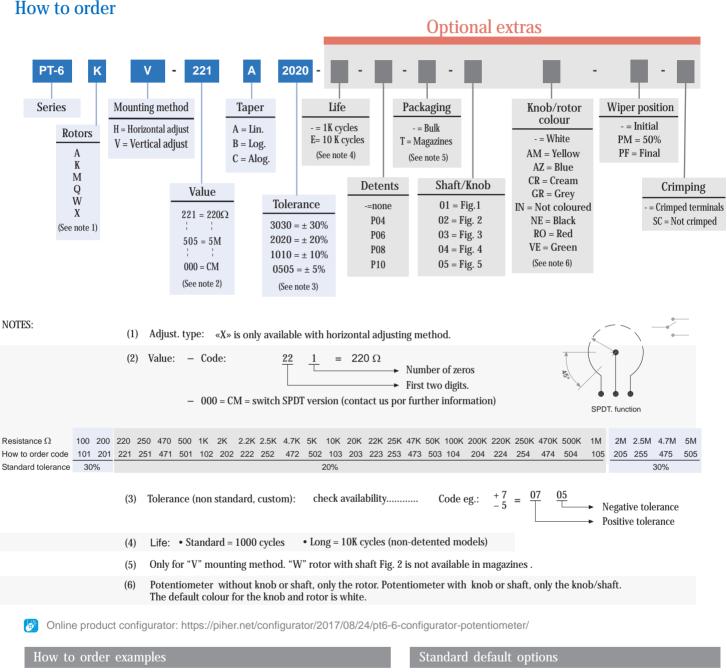
Automotive / Appliance control

6 mm carbon potentiometer PT-6



PT6KH-103A2020

6mm potentiometer with rotor "K" (cross shape), H mounting method (horizontal adjustment), 10K resistive value, 20% resistive tolerance and crimped terminals.

PT6WV-104A1010-5NE-SC

6mm potentiometer with factory pre-inserted knob, V mounting method (vertical adjustment), 100K resistive value, 10% resistive tolerance, black knob ref. 6148 and straight terminals (not crimped).

Mechanical life	1000 cycles
Crimping	Yes
Packing	Bulk
Rotor colour	White
Wiper send position	Initial
Knob colour	White

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Automotive / Appliance control

6 mm carbon potentiometer PT-6

Rotors





Μ

Hexagonal thru hole

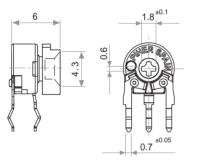


6

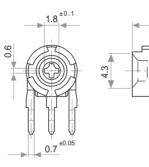
A

Cross slot thru hole

Default delivery is at initial position. Wipers are shown positioned at 50% for the picture.



 \boldsymbol{X} = Adjustable from collector side



W = Adjustable from terminal side

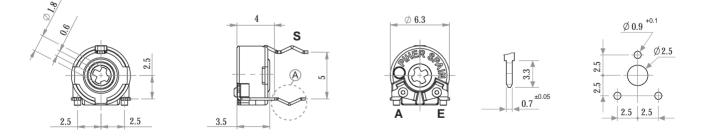
With inserted knob / shaft.

Default knob is ref. 5155 white.

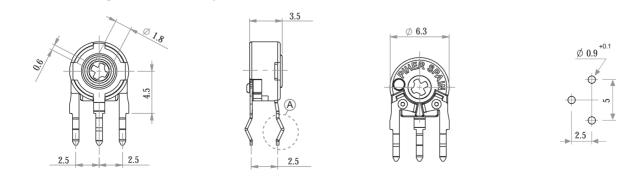
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Mounting methods. Dimensions

V = horizontal mounting – vertical adjustment



H = vertical mounting - horizontal adjustment



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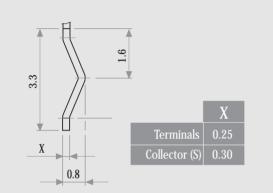
Automotive / Appliance control

6 mm carbon potentiometer PT-6



Download the STEP file here: https://piher.net/piher?p=894

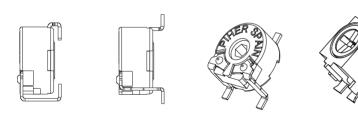
Crimped terminals (detail A)



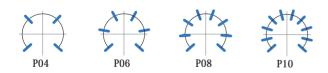
This is the default terminals type.

SMD versions

SMD / SMT version available. See PS-6 and N-6 datasheets at: www.piher.net



Detents / stop positions

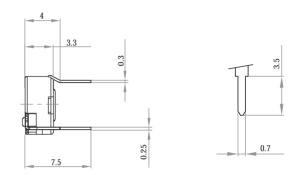


NOTES FOR DETENTED VERSIONS

- (1) All detented versions will be studied case by case. Contact Piher for leadtimes and availability.
- (2) Others: check availability. Unless otherwise specified the detents are evenly spaced (using the end points as reference).

For more than 10 detents versions please contact Piher for more information.

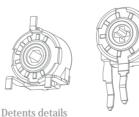
Not-crimped terminals dimensions



Please indicate "SC" at the end of the part number for this version.

Standard Tapers

A = Linear B = Log. C = Alog. B



 Relative detent positions along the mechanical travel.

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- (3) Standard mechanical life: 100 cycles.
- (4) Long life versions are available under request. Contact Piher for more information.
- (5) Detent torque can vary from 1.2 to 2.5 times the standard potentiometer torque.

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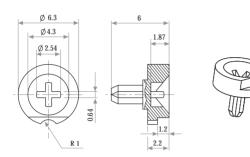
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Automotive / Appliance control 6 mm carbon potentiometer PT-6

Knobs/Shafts

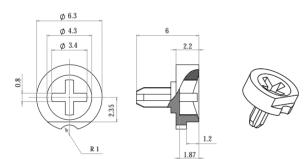
By default shafts, knobs & thumweels are delivered unassembled. Mounted shafts, knobs & thumbweels are delivered at random position. Custom positioning available. If you wish to use your own plastic shaft/knob/actuator please contact Piher for advice about compatible materials.

Ref.: 5155 / Fig. 1 Default knob. Standard colour: white.

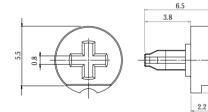


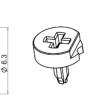
Ref.: 5141 / Fig. 3

Colour: grey. For other colours check availability.

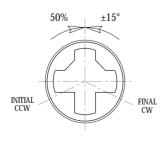


Ref.: 6148 / Fig. 5





Positioning Default position = CCW

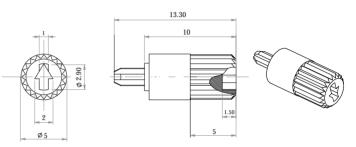


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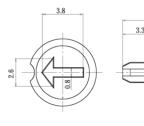
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Ref.: 6132 / Fig. 2

Shaft. Not suitable for magazine packaging

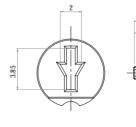


Ref.: 6172 / Fig. 4 Colour: grey. For other colours check availability.





Ref.: 6160 / Fig. 6





2.2

Ø 6.3



Dual gang version . Ref 6060



Automotive / Appliance control 6 mm carbon potentiometer PT-6

Packaging

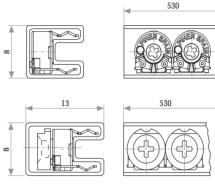


PT-6 V & PT-6 WV

Tests

80 Pieces





Typical variations

Electrical life	1.000 h. @ 50° C; 0.25 W	±5 %
Mechanical life (cycles)	1000 @ 10 CPM15 CPM	± 3 % (Rn < 1 M)
Temperature coefficient	–25° C; +70° C	±300 ppm (Rn <100 K)
Thermal cycling	16 h. @ 85° C; 2h. @ -25° C	±2.5 %
Damp heat	500 h. @ 40° C @ 95% HR	±5 %
Vibration (for each plane,X,Y,Z)	2 h. @ 10 Hz 55 Hz.	±2 %

Out of range values may not comply these results

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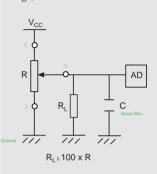
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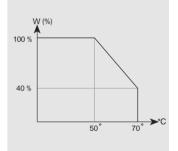
All Piher products can be adapted to meet customer's requirements. Please always use the latest updated datasheets and 3D models published at our website www.piher.net.

Recommended connections

Piher potentiometer's recommended connection circuit for a position sensor or control application. (voltage divider circuit electronic design)



Power rating curve



Contact

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