

FEATURES

- High reliability
- Simple construction (only 3 component parts)
- Over-moulding manufacturing technique
- Plastic or metal clip versions available
- Various fixation means: clip type (inward/outward actuating), locating pins,...

TYPICAL APPLICATIONS

Provides a low cost, highly reliable solution for all position sensing applications:

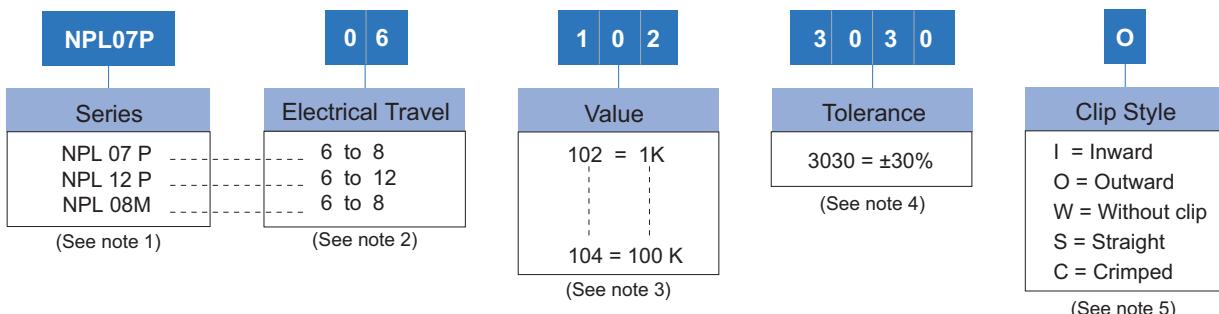
- Automotive seat position memory, central locking, headlamp position and rear-view mirror position sensors.

ELECTRICAL SPECIFICATIONS

Range of values:	1K to 100K ohms
Tolerance:	± 30%
Max. voltage*:	50 VDC to 100 VDC
Power rating*:	0.20 W @ 50°C
Operating temperature:	-40°C to +105°C
Taper**:	Linear
Relative linearity**:	± 2%
Mechanical Life:	50K cycles

* Depending on model ** Others check availability

HOW TO ORDER



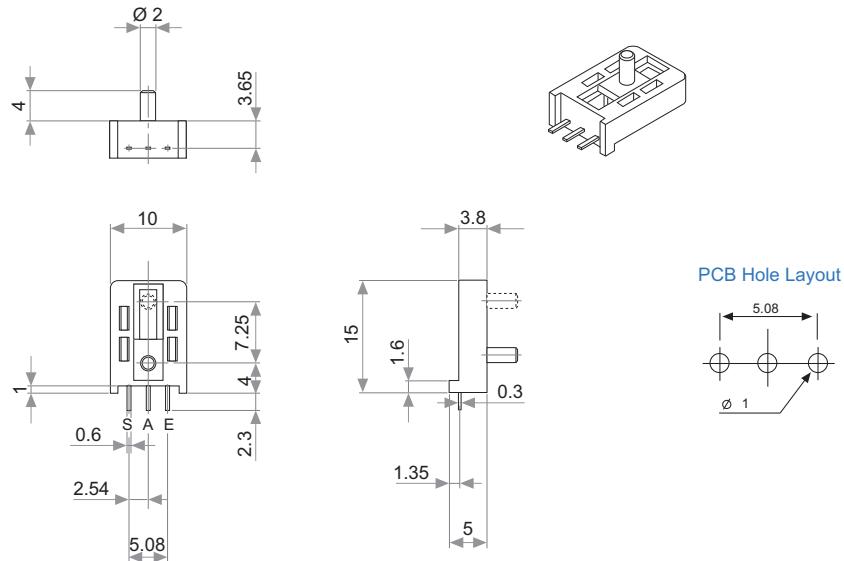
NOTES:

- (1) Suffixes: P = Plastic, M= Metal
- (2) Each NPL series has its own Electrical Travel range as shown.
- (3) Value Example: Code: 10 2 1kΩ
Number of zeros
First two digits of the value.
- (4) Non standard tolerance, check Example: +25% -20% Code: 25 20
negative tolerance positive tolerance
- (5) S and C options only available for NPL08M (metal version)
W option only available for NPL07P
I and O options only available for NPL12P

NOTE: The information contained here should be used for reference purposes only.
This project has been financially supported by the Spanish Technological Development Institute (CDTI).

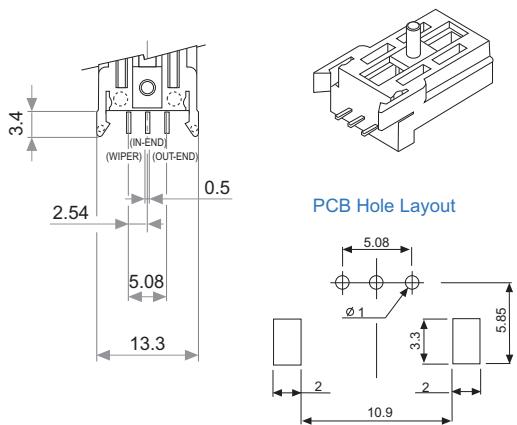


PLASTIC VERSION NPL-07P

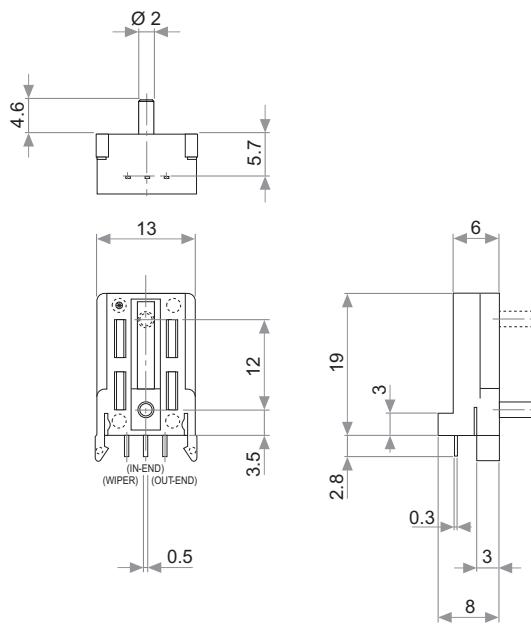
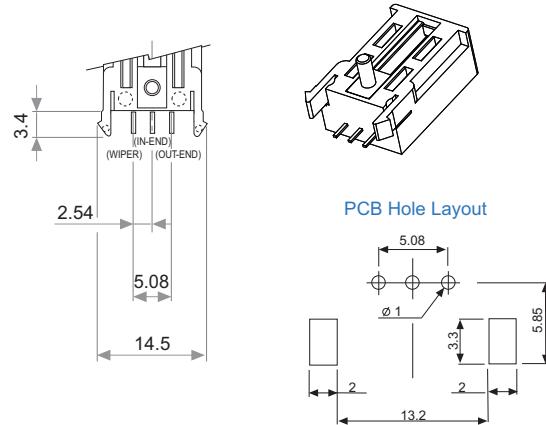


PLASTIC VERSION NPL-12P

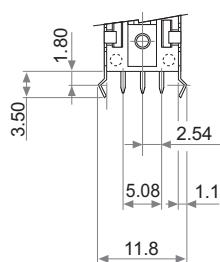
INWARD FACING CLIPS



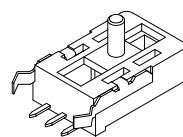
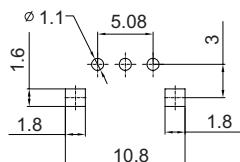
OUTWARD FACING CLIPS



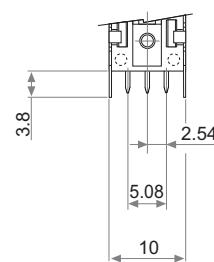
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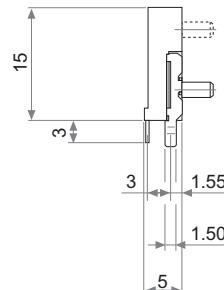
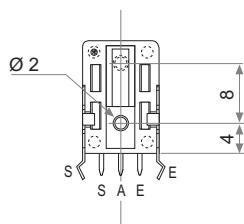
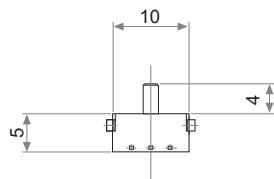
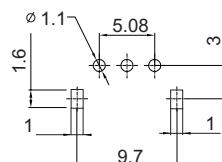
PCB Hole Layout



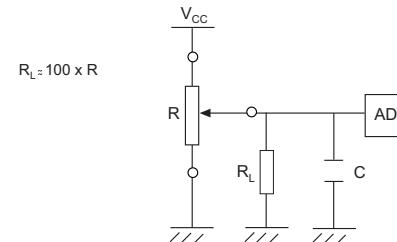
STRAIGHT



PCB Hole Layout



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



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