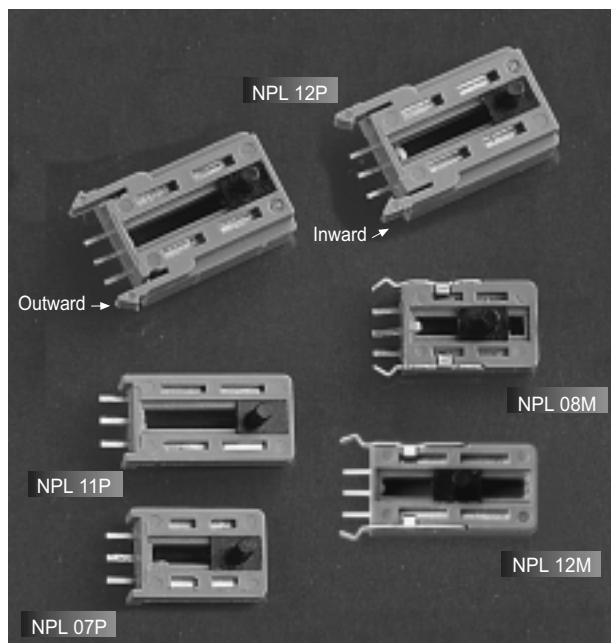




FEATURES

- Low cost
- 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.

MAIN SPECIFICATIONS

Range of values:	1K to 100K ohms
Tolerance:	± 30%
Max. voltage*:	50 VDC to 100 VDC
Power rating*:	0.25 W to 0.5 W @ 70°C
Operating temperature:	-40°C to +105°C
Taper**:	Linear
Relative linearity**:	± 2%

* Depending on model

** Others upon request

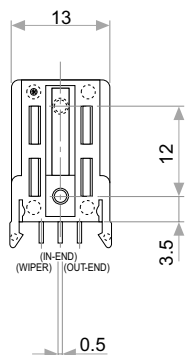
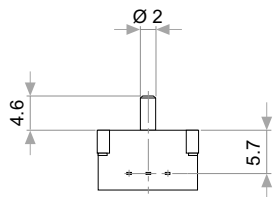
HOW TO ORDER

NPL 07P	0 5	1 0 2	3 0 3 0	O
Series	Electrical Travel	Value	Tolerance	Clip Style
NPL 07 P NPL 11 P NPL 12 P NPL 08M NPL 12M	5 to 8 5 to 12 5 to 12 5 to 8 5 to 12	102 = 1K 104 = 100 K	3030 = ±30% (See note 4)	I = Inward O = Outward W = Without clip S = Straight C = Crimped
(See note 1)	(See note 2)	(See note 3)		(See note 5)

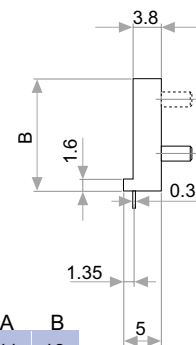
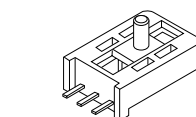
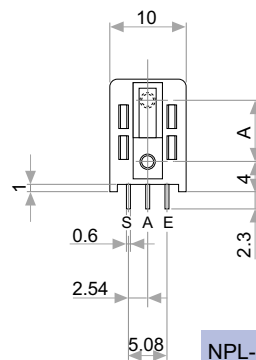
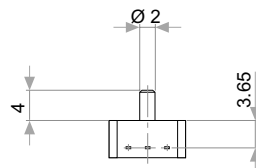
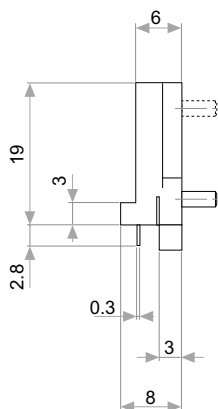
NOTES:

- (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, upon request. Example: +7% Code: 07 05
 -5% negative tolerance
 positive tolerance
- (5) I, O and W options only available for PLASTIC versions.
 S and C options only available for METAL versions.

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).
 Carbon Potentiometers Specifications: page n° 79



NPL-12P

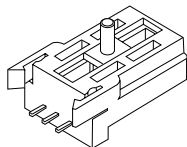
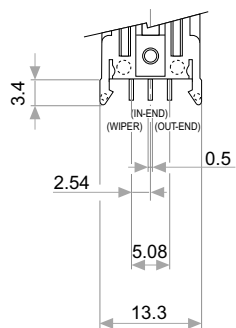


	A	B
NPL-11P	11	19
NPL-07P	7.25	15

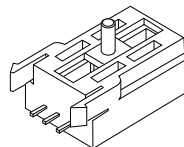
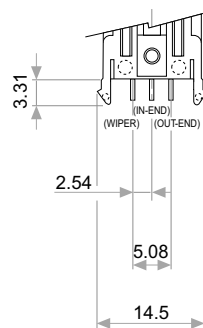
All dimensions in mm.

CLIP STYLE DETAILS

INWARD FACING CLIPS

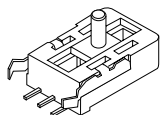
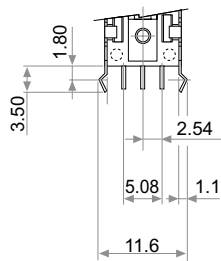


OUTWARD FACING CLIPS

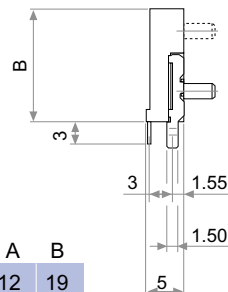
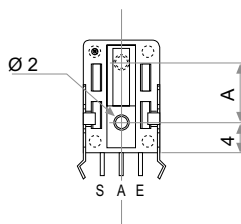
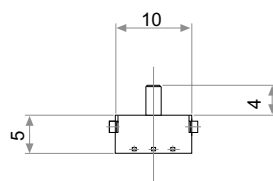
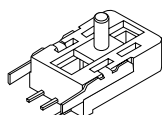
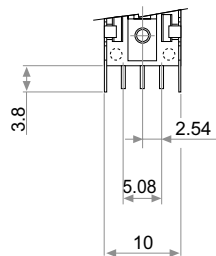


METAL VERSIONS

CRIMPED



STRAIGHT



	A	B
NPL-12M	12	19
NPL-08M	8	15

All dimensions in mm.