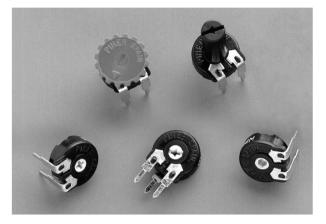
# PIHER



 $235^{\circ} \pm 5^{\circ}$ 

220° ± 20°

0.4 to 2 Ncm.

(0.6 to 2.7 in-oz)

> 5 Ncm. ( >7 in-oz)

Up to 10.000 cycles

#### **MECHANICAL SPECIFICATIONS**

- Mechanical rotation angle:
- Electrical rotation angle:
- Torque:
- Stop torque:
- Life\*:
- \* Others upon request

HOW TO ORDER

## PT-10 10 mm Carbon Potentiometer

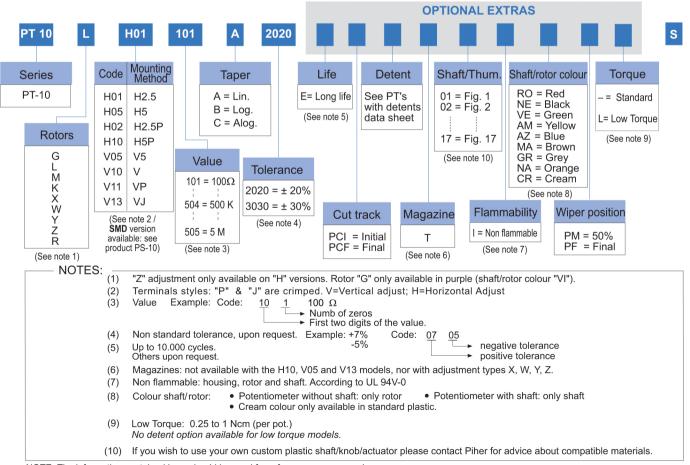
#### FEATURES

- Carbon resistive element
- Dust proof enclosure
- Polyester substrate
- Also upon request:
  - Wiper positioned at 50% or fully clockwise.
  - Supplied in magazines for automatic insertion.
  - Long life model for low cost control potentiometer applications
  - Self extinguishable plastic UL 94V-0
  - Cut track option
  - Special tapers
  - Mechanical detents
  - Low & extra low torque versions
  - Special switch option
  - 3% Linearity and 100K cycles mechanical life

#### **ELECTRICAL SPECIFICATIONS**

- Range of values (\*)
- $100\Omega \le Rn \le 5 M$  (Decad. 1.0 2.0 2.2 2.5 4.7 5.0)
- Tolerance (\*):  $100\Omega \le Rn \le 1M \ \Omega \ \dots \pm 20\%$  $1M\Omega < Rn \le 5M \ \Omega \ \dots \pm 30\%$
- Max. Voltage: 200 VDC (lin) 100 VDC (no lin)
- Nominal Power 50°C (122°F) (see power rating curve)
  0.15 W (lin) 0.07 W (no lin)
- Taper (\*) (Log. & Alog. only  $Rn \ge 1K$ ) Lin ; Log; Alog.
- Residual resistance(\*):  $\leq 0.5$  % Rn (5  $\Omega$  min.)
- Equivalent Noise Resistance:  $\leq$  3% Rn (3  $\Omega$  min.)
- Operating temperature\*\*: -25°C + 70°C (-13°F + 158°F)
- (\*) Others upon request

\*\* Up to 85°C depending on application



NOTE: The information contained here should be used for reference purposes only.

www.piher.net

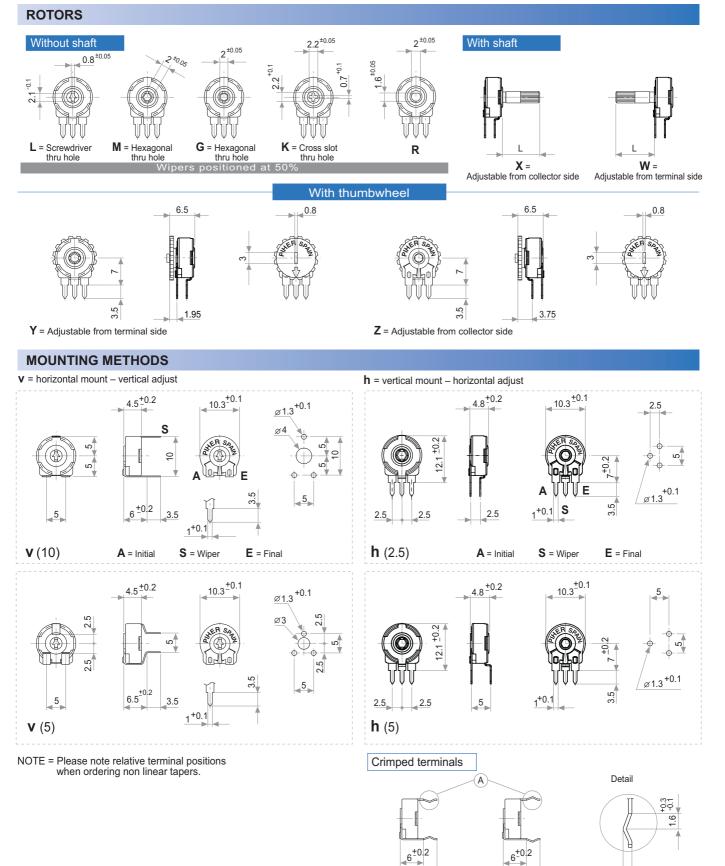
#### HOW TO ORDER CUSTOM DRAWING

#### STANDARD OPTIONS

PT-10 LH 01 + DRAWING NUMBER (Max. 16 characters)

This way of ordering should be used for options which are not included in the "How to order" standard and optional extras.

Cut track	No
Detents	None
Packing	Bulk
Non flammable	No
Rotor colour	White
Shaft colour	Natural
Wiper position	Initial
Torque	Standard



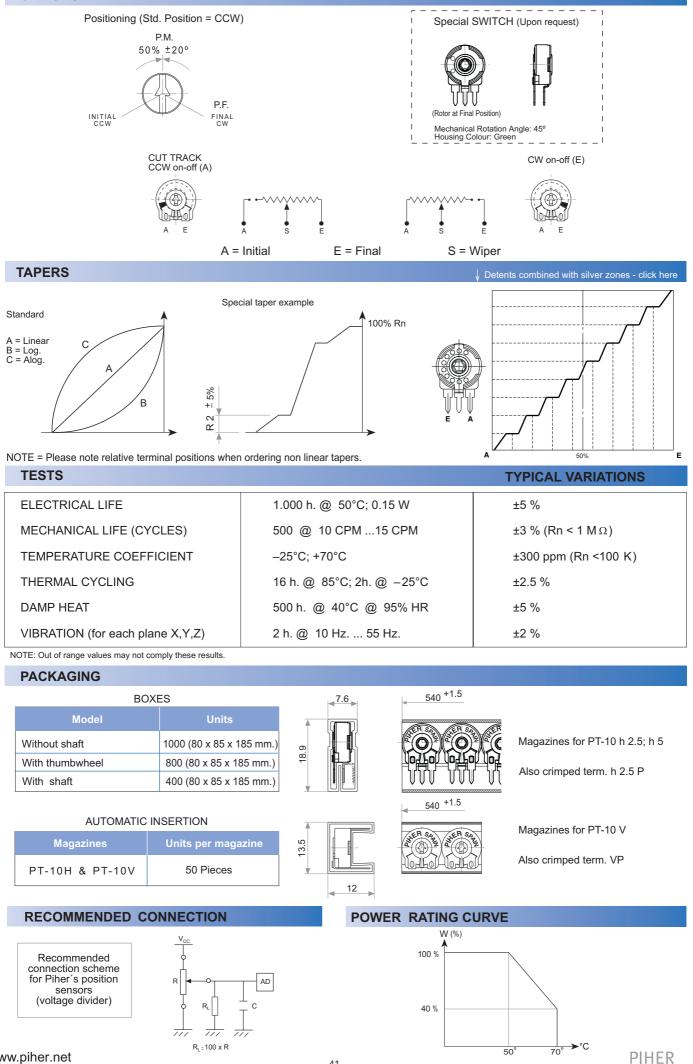
0.9-0.1

9.3

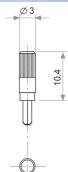
Mod. P

9.3

Mod. J







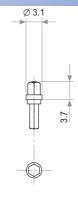
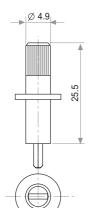


Fig. 1 / Ref. 5016



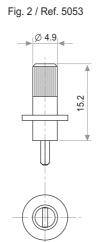
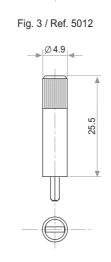


Fig. 8 / Ref. 5116



Ø 5

5

Fig. 9 / Ref. 5119

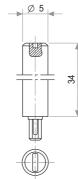
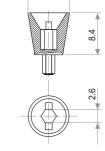


Fig. 4 / Ref. 6053

12.5

Ø 4.9

Г

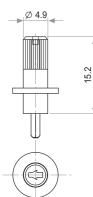


Ø 8.1

Fig. 6 / Ref. 5035



Fig. 7 / Ref. 5115



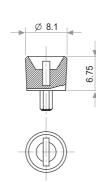
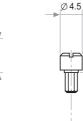


Fig. 13 / Ref. 5121

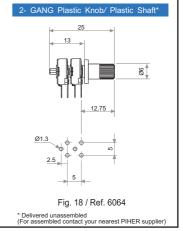




3.3

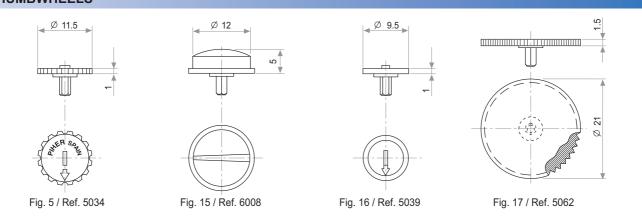
Fig. 14 / Ref. 5055

Fig. 11 / Ref. 5027



### THUMBWHEELS

Fig. 12 / Ref. 6052



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