

MECHANICAL SPECIFICATIONS

- Mechanical Rotation angle: $235^\circ \pm 5^\circ$
- Electrical Rotation angle: $200^\circ \pm 20^\circ$
- Torque: 0.2 to 2 Ncm.
(0.3 to 2.7 in-oz)
- Stop torque: > 4 Ncm. (> 5.6 in-oz)

FEATURES

- Carbon resistive element.
- Dust proof enclosure.
- Polyester substrate.
- SMD version available (see PS-6 datasheet).
- Also upon request:
 - Wiper positioned at 50% or fully clockwise
 - Supplied in magazines for automatic insertion
 - Long life model PT-6...E (10,000 cycles)
 - Housing available in self extinguishable plastic (VL94V0)

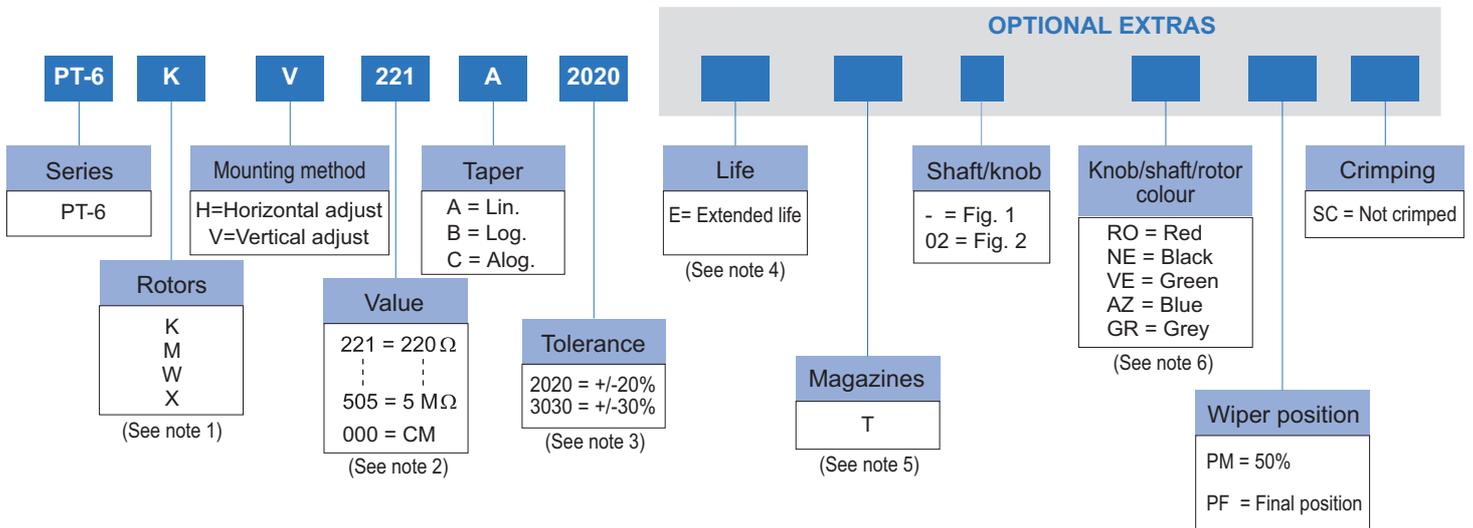
ELECTRICAL SPECIFICATIONS

- Range of values*
 $220\Omega \leq R_n \leq 5M$ (Decad. 1.0 - 2.0 - 2.2 - 2.5 - 4.7 - 5.0)
- Tolerance*: $220\Omega \leq R_n \leq 1M\Omega$ $\pm 20\%$
 $1M\Omega < R_n \leq 5M\Omega$ $\pm 30\%$
- Max. Voltage: 100 VDC (lin), 50 VDC (no lin)
- Nominal Power 50°C (122°F) (see power rating curve)
0.1 W (lin) 0.05 W (no lin)
- Taper*: Lin; Log; Alog (Log & Alog. only $R_n \geq 1K$)
- Residual resistance*: $\leq 0.5\% R_n$ (5Ω min)
- Equivalent Noise Resistance: $\leq 3\% R_n$ (3Ω min)
- Operating Temperature**: -25°C $+70^\circ\text{C}$ (-13°F $+158^\circ\text{F}$)

* Others upon request.

** Up to 85°C depending on application

HOW TO ORDER

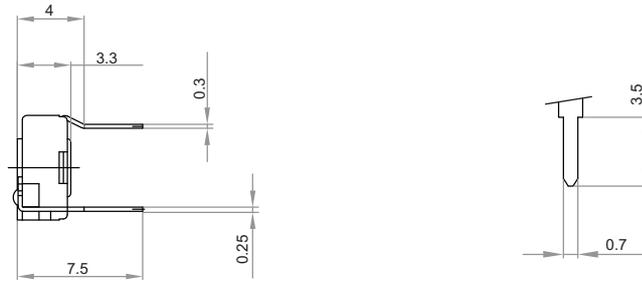


NOTES:

- (1) Adjust. type: «X» is only available with horizontal adjusting method.
- (2) Value: – Code: $\frac{22}{1} = 220\Omega$
– 000 = CM = Switch version (contact us)
Number of zeros First two digits.
- (3) Tolerance (non standard): Upon request: Code eg.: $\frac{+7}{-5} = \frac{07}{05}$
Negative tolerance Positive tolerance
- (4) Life: • Normal = 500 cycles • Long = 10,000 cycles
- (5) Only for “V” mounting method. “W” rotor with shaft Fig. 2 is not available in magazines.
- (6) Potentiometer without knob or shaft, only the rotor. Potentiometer with knob or shaft, only the knob/shaft. Default colour for knob/shaft is cream. Shaft only available in cream or black colour.

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

NOT-CRIMPED TERMINALS DIMENSIONS



PACKAGING

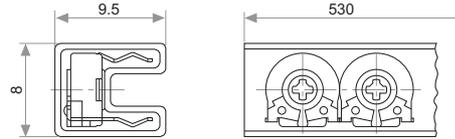
BOXES

Model	Units
All	1.000

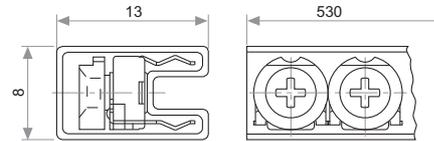
AUTOMATIC INSERTION

Magazines	Units per magazine
PT-6 V & PT-6 WV	80 Pieces

Magazines for PT-6 V with or without crimp.



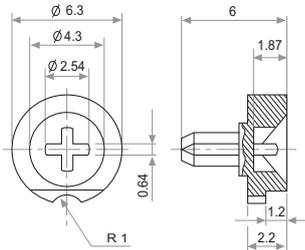
Magazines for PT-6 WV with or without crimp.



SHAFT / KNOB

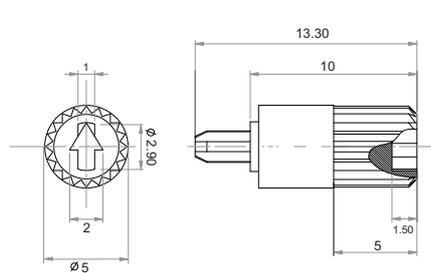
If you wish to use your own custom plastic shaft/knob/actuator please contact Piher for advice about compatible materials.

Ref.: 5155 / Fig. 1



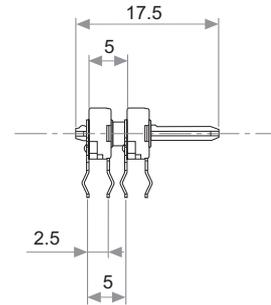
Shaft not suitable for magazine packaging

Ref.: 6132 / Fig. 2



PT-6 DUAL GANG VERSION

For PT-6 dual gang version contact your nearest PIHER supplier



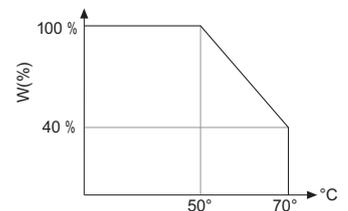
TESTS

ELECTRICAL LIFE	1.000 h. @ 50°C: 0.1 W	±5 %
MECHANICAL LIFE (CYCLES)	500 @ 10 CPM ...15 CPM	±3 % (Rn < 1 MΩ)
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 %

NOTE: Out of range values may not comply with these results.

TYPICAL VARIATIONS

POWER RATING CURVE



Disclaimer

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