

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 PT-6...E (10,000 cycles)
 - Without crimping model. PT-6...SC
 - Housing available in self extinguishable plastic (VL94V0)

MECHANICAL SPECIFICATIONS

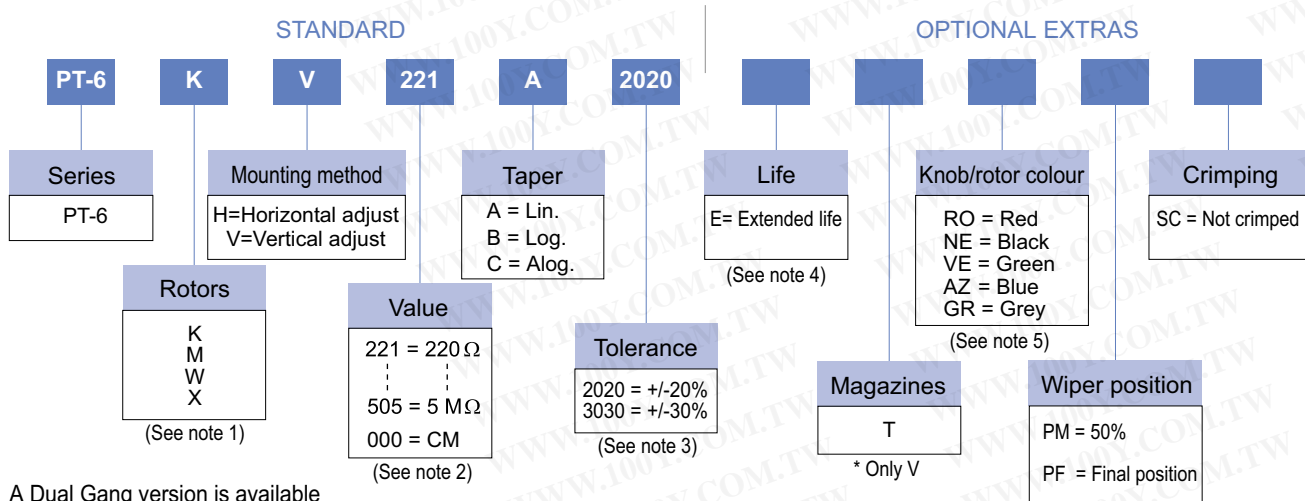
- Mechanical Rotation angle: $235^\circ \pm 5^\circ$
- Electrical Rotation angle: $200^\circ \pm 20^\circ$
- Torque: 0.2 to 2 Ncm. (0.3 to 2.7 in-oz)
- Stop torque: > 4 Ncm. (> 5.6 in-oz)

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 $50^\circ C$ ($122^\circ F$) (see power rating curve)
0.1 W (lin) 0.05 W (no lin)
 - Taper (*) (Log & Alog. only $R_n \geq 1K$)
Lin; Log; Alog.
 - Residual resistance: $\leq 5 \cdot 10^{-3} R_n$ (2Ω min)
 - Equivalent Noise Resistance: $\leq 3\% R_n$ (3Ω min)
 - Operating Temperature**: $-25^\circ C$ + $70^\circ C$ ($-13^\circ F$ + $158^\circ F$)
- (*) Others upon request. ** Up to $85^\circ C$ depending on application

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

HOW TO ORDER



A Dual Gang version is available (see Low Torque Ganged Trimmer data sheet).

NOTES:

- Adjust. type: «X» is only available with horizontal adjusting method.
- Value: - Code: $\frac{22}{1} = 220\Omega$
 - 000 = CM = Switch (see diagram)
 → Number of zeros
 → First two digits.
- Tolerance (non standard): Upon request: Code eg.: $\frac{+7}{-5} = \frac{07}{05}$
 → Negative tolerance
 → Positive tolerance
- Life: • Normal = 500 cycles • Long = 10,000 cycles
- Potentiometer without knob, only the rotor. Potentiometer with knob, only the knob.

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

PACKAGING

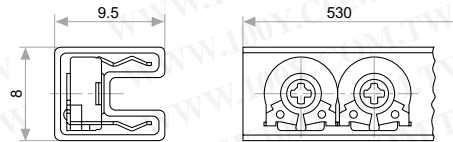
BOXES

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.

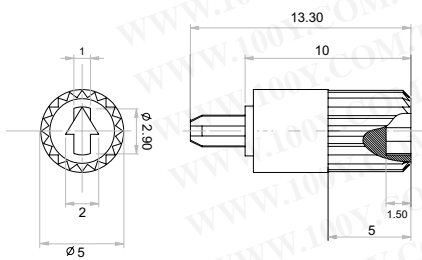


SHAFT

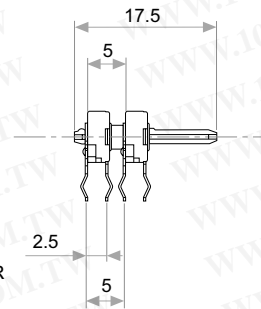
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PT-6 DUAL GANG VERSION



Please order Shaft Separately



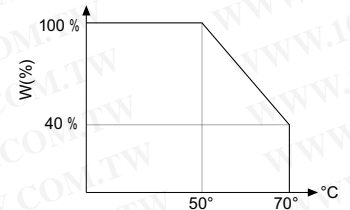
For separate data sheet contact your nearest PIHER supplier

TESTS

TYPICAL VARIATIONS

POWER RATING CURVE

ELECTRICAL LIFE	1.000 h. @ 50°C: 0.1 W	±5 %
MECHANICAL LIFE (CYCLES)	200 @ 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.