

Resistors & Potentiometers

Piher_Single-Turn Potentiometer

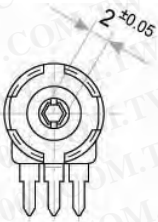
Detailed product specifications are available on: us.100y.com.tw



FEATURES

- Carbon resistance 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 UL94V-0
 - Cut track option
 - Special tapers
 - Mechanical detents
 - Low & extra low torque versions
 - Special switch option

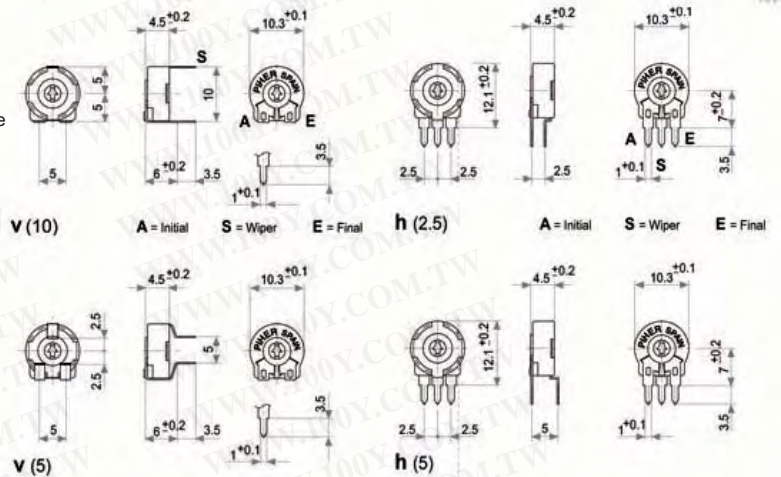
ROTORS



M = Hexagonal thru hole



MOUNTING METHODS



MECHANICAL SPECIFICATIONS	
Mechanical rotation angle	235° ± 5°
Electrical rotation angle	220° ± 20°
Torque	0.4 to 2 Ncm. (0.6 to 2.7 in-oz)
Stop torque	>5Ncm. (>7 in-oz)

ELECTRICAL SPECIFICATIONS	
Range of values (*)	100Ω ≤ Rn ≤ 5M (Decad, 1.0-2.0-2.2-2.5-4.7-5.0)
Tolerance (*)	100Ω ≤ Rn ≤ 1MΩ ±20% 1MΩ < Rn ≤ 5MΩ ±30%
Max. voltage	200VDC (lin) 100VDC (no lin)
Residual resistance	≤5, 10 ⁻³ Rn (2Ω min.)
Equivalent noise resistance	≤3% Rn (3Ω min.)
Operating temperature	-25°C + 70°C (-13°F + 158°F)

Part No.	Product No.	Manufacturer	Description	Resistance data(Ω)	Tolerance(±)	Shaft Dia. (mm)
41229	PT10MH01-101A2020	PIHER	Piher16mm Carbon Potentiometer	100KΩ	±20%	H01
41230	PT10MH01-102A2020	Feinmetall	Piher16mm Carbon Potentiometer	1000Ω	±20%	H01
41232	PT10MH01-104A2020	PIHER	VR Stand up 2.5mm*5/100KΩ	100KΩ	±20%	2.5mm
44836	PT10MH01-105A2020	PIHER	Piher16mm Carbon Potentiometer	100KΩ	±20%	
41165	PT10MH01-223A2020	Feinmetall	Piher2.5mm Carbon Potentiometer	22KΩ	±20%	2.5mm
41233	PT10MH01-473A-2020	PIHER	Piher2.5mm Carbon Potentiometer	47KΩ	±20%	2.5mm
40382	PT10MH01-473A-2020E	PIHER	Piher16mm Carbon Potentiometer	47KΩ	±20%	H01
41234	PT10MH01-504A-2020	PIHER	Piher2.5mm Carbon Potentiometer	500KΩ	±20%	2.5mm
41257	PT10MH10-103A2020-PM	PIHER	Piher2.5mm Carbon Potentiometer	10KΩ	±20%	5mm
41258	PT10MV10-101A2020	PIHER	Carbon Potentiometer V10-101A	100KΩ	±20%	5mm
41260	PT10MV10-104A2020	PIHER	Carbon Potentiometer V10-101A	100KΩ	±20%	5mm
41261	PT10MV10-105A2020	PIHER	Carbon Potentiometer V10-105A	1MΩ	±20%	5mm
41262	PT10MV10-203A2020	PIHER	Carbon Potentiometer V10-203A	20KΩ	±20%	5mm
41263	PT10MV10-205A3030	PIHER	Carbon Potentiometer V10-205A	2MΩ	±30%	5mm
41264	PT10MV10-254A2020	PIHER	Carbon Potentiometer V10-254A	250KΩ	±20%	5mm
41265	PT10MV10-503A2021	PIHER	Carbon Potentiometer V10-503A	250KΩ	±20%	5mm
41266	PT10MV10-504A2020	PIHER	Carbon Potentiometer V10-504A	500KΩ	±20%	5mm



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 - Special tapers
 - Mechanical detents
 - Low torque option
 - Special Tapers

MECHANICAL SPECIFICATIONS	
Mechanical rotation angle	265° ± 5° 240° C±5 available under drawing (blue housing only)
Electrical rotation angle	250° ± 20°
Torque	0.5 to 2.5 Ncm. (0.7 to 3.4 in-oz)
Stop torque	>10Ncm. (>14 in-oz)

ELECTRICAL SPECIFICATIONS	
Range of values (*)	100Ω ≤ Rn ≤ 5M (Decad, 1.0-2.0-2.2-2.5-4.7-5.0)
Tolerance (*)	100Ω ≤ Rn ≤ 1MΩ ±20% 1MΩ < Rn ≤ 5MΩ ±30%
Max. voltage	250VDC (lin) 125VDC (no lin)
Residual resistance	≤5, 10 ⁻³ Rn (2Ω min.)
Equivalent noise resistance	≤3% Rn (3Ω min.)
Operating temperature	-25°C + 70°C (-13°F + 158°F)

