

Type 433P Series

Key Features

Stable Infinite Resolution

High Performance

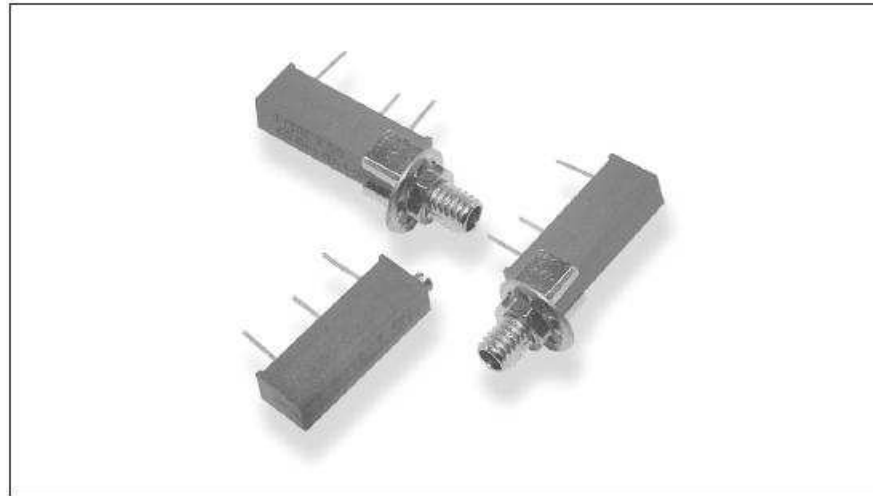
Wiper Idles at End Stop

Rugged Construction

Fully Sealed

Panel Mount Available

Terminal finish matte Sn

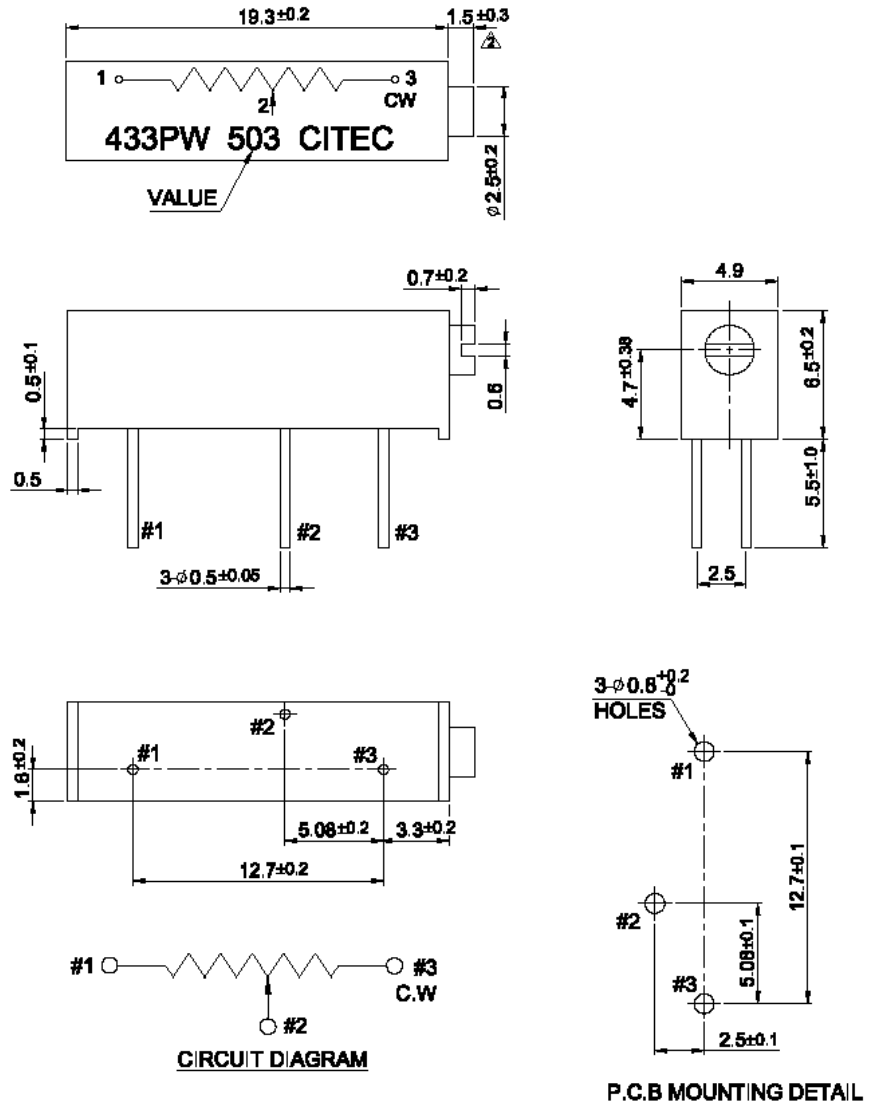


When you need a durable trimming potentiometer, these 19mm rectilinear style offer quality performance at a competitive price. They feature a cermet element for stability and resolution and are available in two formats. Type 433 PW will withstand all recognised board-washing solvents and can be offered with panel mount for external adjustment.

Characteristics – Electrical

Resistance Range	10Ω- 2MΩ
Resistance Tolerance	±10%
Absolute Minimum Resistance	2 Ohms or 1% of resistance, whichever is greater
Contact resistance variation	1 Ohm or 1% of resistance, whichever is greater
Voltage Adjustability	±0.01%
Resistance Adjustability	±0.05%
Resolution	Infinite
Insulation Resistance	500vdc 1,000 MΩmin.
Dielectric Strength	Sea Level: 1000 vac 80,000 feet: 250 vac
Characteristics - Environmental	
Power rating	(400v max.) 70°C – 0.75W, 125°C – 0W
Temperature range	-55°C ~ +125°C
Temperature Coefficient	±250ppm/°C
Seal Test	85°C Fluorinert
Humidity	MIL-STD-202 Method 103 96 hours (3% ΔTR 20MΩ IR)
Vibration	20G (2% ΔTR; 2% ΔVR)
Shock	50G (2% ΔTR; 2% ΔVR)
Load Life	1,000 hours 0.75W 70°C (4% ΔTR)
Rotational Life	200 Cycles (3% ΔTR; 1% or 1Ω whichever greater, CRV)
Soldering Heat	235°C ±5°C, 2 S ±0.5 S
Manual Soldering	350°C or less 3 Sec max.
Starting Torque	≤35mN - m

Dimensions



How To Order

Common Part	Adjustment Style	Resistance Value	Tolerance
433	PW – PCB Mount PM – PCB Mount with Panel Mount	First two digits = significant figures of resistance, third denotes number of zeros following e.g. 100R = 101 1K = 102 10K = 103 100K = 104	K – 10%