

Type 433PW Series

Key Features

- Stable Infinite Resolution
- High Performance
- Wiper Idles at End Stop
- Rugged Construction
- Fully Sealed
- Panel Mount Available



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

Characteristics - Electrical

Resistance Range:	10 Ohms to 100k Ohms
STD Resistance Values:	2 and 5 in each decade
STD Resistance Tolerance:	±1%
End Resistance:	0 Ohms or 1% of total resistance, whichever is greater
Slider Current:	100 mA or within power rating maximum
Power Rating (Watts):	0.75 at 70°C derating to zero at 125°C
Isolation Voltage:	500 V dc or ac peak
Input Voltage:	400 V dc or ac RMS maximum
Breakdown Voltage:	1000 V ac for one minute
Insulation Resistance:	1000 M ohms at 100 V ac minimum
Resolution:	Essentially Infinite
Rotational Noise (CRV):	1 Ohm or 1 % of total resistance, whichever is greater
Temperature Coefficient:	±250 ppm/°C maximum
Electrical Adjustment:	15 Turns Nominal

Characteristics - Mechanical

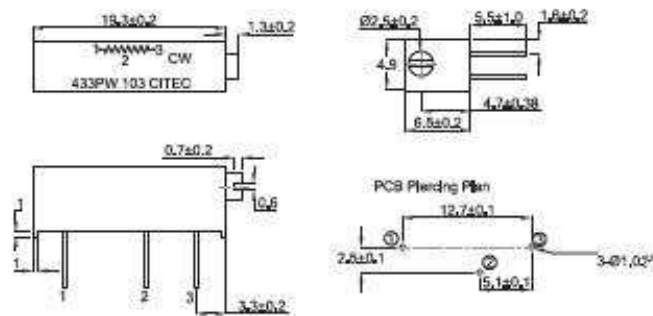
End Stop:	Slipping Clutch Both Ends
Starting Torque:	35mNm maximum
Weight:	1.4 grams maximum

Characteristics - Environmental

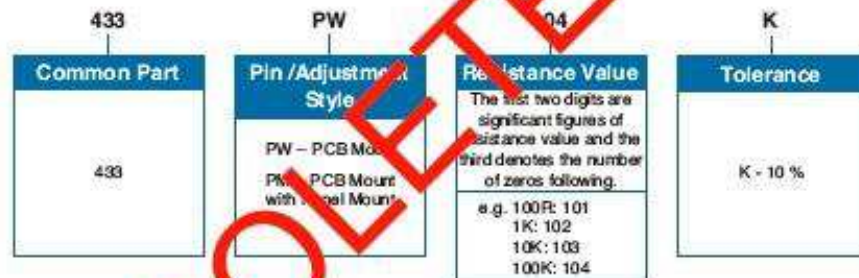
Temperature Range:	-55°C to +125°C
Temperature Storage:	1000 Hrs at 125°C
Thermal Shock:	5 Cycles -55°C to +125°C
Vibration Severity:	10 - 500Hz; 20G (0.75mm or 98m/s ²)
Rotational Life:	200 Cycles
Load Life at 70°C:	ΔR < 4% after 1000 Hours
Sealing:	Sealed for Board Washing
Climatic Category:	55/125/21
Shock:	50G

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Dimensions



How to Order



OBSOLETE