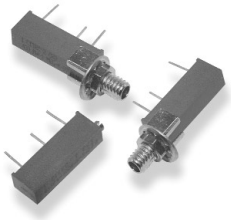
Type 433PW Series



When you need a durable trimming potentiometer, these 19mm rectilinear styles 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.

Key Features

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

Characteristics - Electrical

Resistance Range:	10 Ohms to 2M Ohms
STD Resistance Values:	1, 2 and 5 in each decade
STD Resistance Tolerance:	± 10%
End Resistance:	2 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

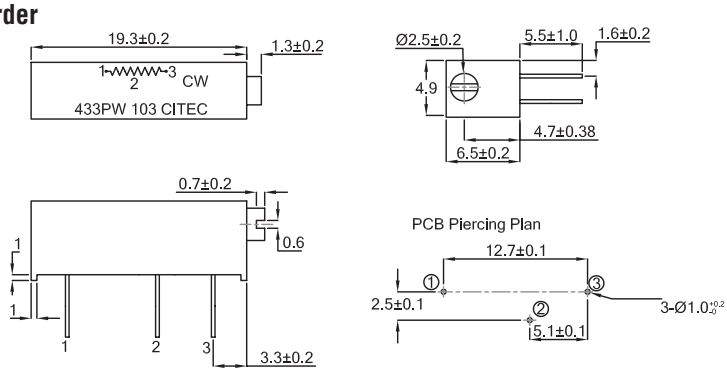
Characteristics - Mechanical

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/s²)
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

How to Order



How to Order

433	PW	104	K
Common Part	**Pin/Adjustment Style**	**Resistance Value**	**Tolerance**
433	PW – PCB Mount PM – PCB Mount with Panel Mount	The first two digits are significant figures of resistance value and the third denotes the number of zeros following. e.g. 100R: 101 1K: 102 10K: 103 100K: 104	K - 10 %