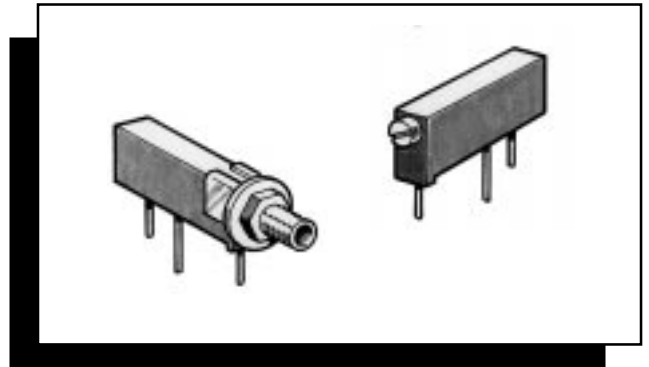


MEGGITT CITEC
POTENTIOMETERS
INDUCTORS,
SURFACE MOUNT DEVICES
SWITCHES, NETWORKS
ENCODERS, SENSORS

Professional Trimmers

TYPE 422PW AND 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 422PW has a transparent plastic case so the wiper position may be clearly seen.

Type has an opaque plastic case. Either will withstand all recognised board washing solvents. Both styles can be offered with panel mount for external adjustment.

MEGGITT CITEC KEY FEATURES

- STABLE INFINITE RESOLUTION
- HIGH PERFORMANCE
- AUDIBLE CLICK AT WIPER END STOP
- TRANSPARENT CASE AVAILABLE
- RUGGED CONSTRUCTION
- FULLY SEALED
- PANEL MOUNT AVAILABLE
- ATTRACTIVE PRICE KEEPS DOWN COSTS

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:	100 M ohms at 500 V dc minimum
Resolution:	Essentially Infinite
Rotational Noise (CRV):	1 Ohms or 1 % of total resistance, whichever is greater
Temperature Coefficient:	± 100 ppm/°C maximum
Electrical Adjustment	15 Turns Nominal

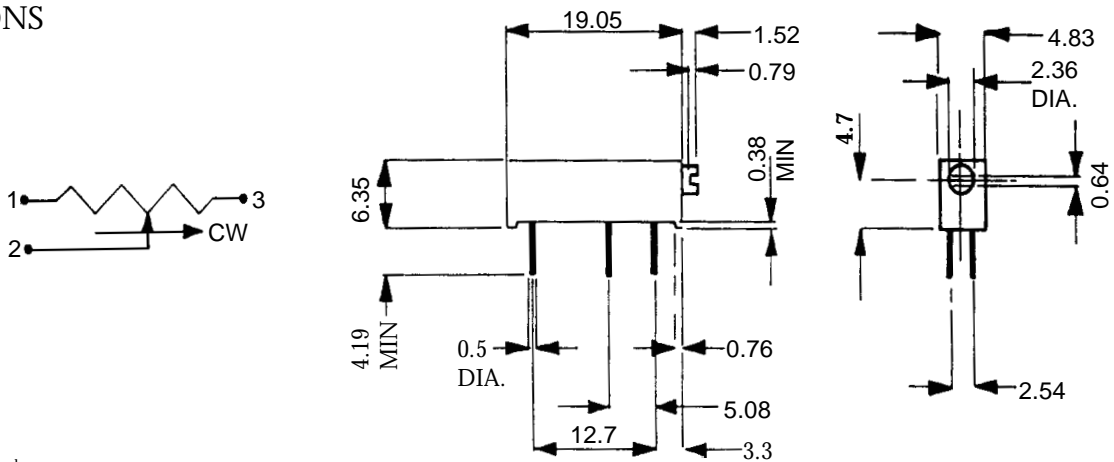
MECHANICAL

End Stop:	Slipping Clutch Both Ends
Starting Torque:	35mNm maximum
Mechanical Adjustment:	18 Turns Nominal
Weight:	1.4 grams maximum

ENVIRONMENTAL

Temperature Range:	-55°C to +125°C
Temperature Storage:	1000 Hrs at 125°C
Thermal Shock:	5 Cycles -55°C to +125°C
Bump Severity:	4000 Bumps; 40g (3mm or 390 m/s ²)
Vibration Severity:	10 - 500Hz; 10g (0.75mm or 98m/s ²)
Rotational Life:	200 Cycles
Load Life at 85°C:	Δ R < 2% after 1000 Hours
Sealing:	Sealed for Board Washing
Climatic Category:	55/125/21

DIMENSIONS



All Dimensions are nominal and in mm unless otherwise shown. Do Not Scale.

HOW TO ORDER

433 COMMON PART	PW ORIENTATION	102 RESISTANCE VALUE	K TOLERANCE
433 - Opaque case 422 - Clear case	PW for PCB Mount PM for Panel Mount	The first digits are significant figures of resistance value and the third one denotes the number of zeros following Example 1k : 102 10k : 103 100k : 104	K = ± 10%

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