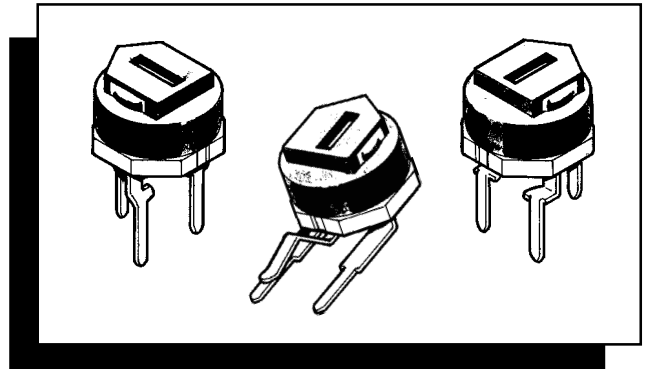


# MEGGITT CITEC

POTENTIOMETERS  
INDUCTORS, SMDS  
SWITCHES, NETWORKS  
ENCODERS  
POWER COMPONENTS

## Economy Trimmers

### TYPE 406 SERIES



Meggitt Citec specification in cermet element technology gives this small single turn trimmer stability and reliability.

For use in industrial and professional equipment applications, this component offers durability and quality performance and is available with top or side adjustment, and various pin outs.

The 406 Series is being increasingly used as replacements to the larger more expensive, 10mm sealed series in modern applications. This trimmer is widely used in the power supply and telecommunications industries.

### MEGGITT CITEC KEY FEATURES

- CHOICE OF MOUNTING CONFIGURATIONS
- STABLE HIGH RESOLUTION CERMET ELEMENT
- SPACE-SAVING DEVICE
- 0.3 WATT RATING AT 70°C
- VERTICAL OR HORIZONTAL ADJUSTMENT DESIGN
- LOW COST SOLUTION
- DUST AND SPLASH PROOF
- PCB STANDOFFS
- WIDELY AVAILABLE VIA DISTRIBUTION

# SPECIFICATION

# TYPE 406 SERIES

## ELECTRICAL

Resistance Range:	50R to 2M
Resistance Values:	1, 2, and 5 in each decade, (2.2 and 4.7 also available)
Resistance Tolerance:	± 20%
End Resistance:	1% nominal
Slider Current:	50 mA
Power Rating:	0.3 Watts at 70°C derating to zero at 100°C
Limiting Element Voltage:	100V DC or as RMS, maximum
Resolution:	Essentially infinite
Rotational Noise (CRV):	5% maximum
Temperature Coefficient:	± 200 ppm/°C

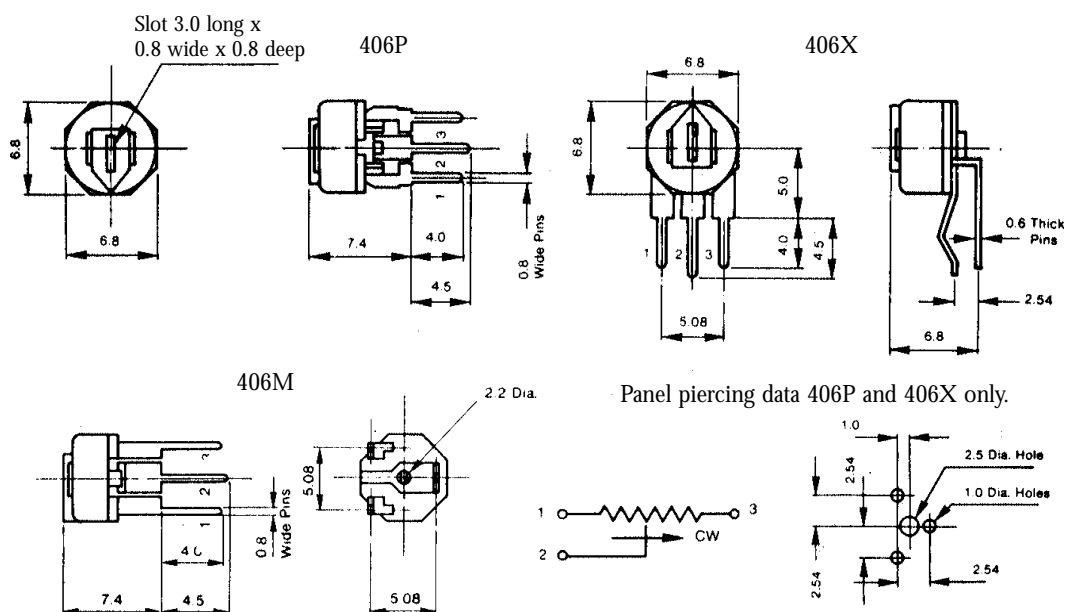
## MECHANICAL

End Stop:	30 mNm minimum
Starting Torque:	25 mNm maximum
Mechanical Adjustment:	200° nominal
Weight:	0.5 grams, maximum

## ENVIRONMENTAL

Temperature Range:	-25°C to +100°C
Temperature Storage:	1000 hours at 100°C
Bump Severity:	4000 bumps; 40G
Vibration Severity:	10 - 55 Hz; 10G
Rotational Life:	200 cycles
Load Life at 70°C:	ΔR ± 4% after 1000 hours
Sealing:	Dust proof
Climatic Category:	25/100/21.

## DIMENSIONS



All Dimensions are nominal and in mm. Unless otherwise Stated. Do Not Scale.

## HOW TO ORDER

COMMON PART	ADJUSTMENT STYLE / CONFIGURATION	ADJUSTMENT HEAD	RESISTANCE VALUE	TOLERANCE
406	P - Top Adjust 2.5 mm x 5.0 mm pin out M - Top Adjust 5.0 mm x 5.0 mm pin out X - Side Adjust 2.5 mm x 5.0 mm	A - Minus Slot	The first two digits are significant figures of the resistance value. The third digit denotes the number of zeros following.  Example: 100R : 101 1K : 102 10K : 103 100K : 104	M - 20%

NB: Please state top or side adjustments on all orders



Meggit Electronic Components Ltd. Ohmic House, Westmead Industrial Estate, Swindon, Wilts. SN5 7US  
Telephone: (01793)487301 (Admin.) (01793) 611666 (Sales) Telex:449112 Citec G Fax:(01793) 610217 or 511513

This publication is issued to provide outline information only and (unless specifically agreed to the contrary by the Company in writing) is not to form part of any order or be regarded as a representation relating to the products or service concerned. We reserve the right to alter without notice the specification, design, price or conditions of supply of any product or service. Whilst Meggit Electronic Components products are of the very highest quality and reliability, all electronic components can occasionally be subject to failure. Where failure of a Meggit Electronic Components product could result in life threatening consequences, then the circuit and application must be discussed with the Company. Such areas might include ECG, respiratory, and other medical and nuclear applications and any non fail safe applications circuit.