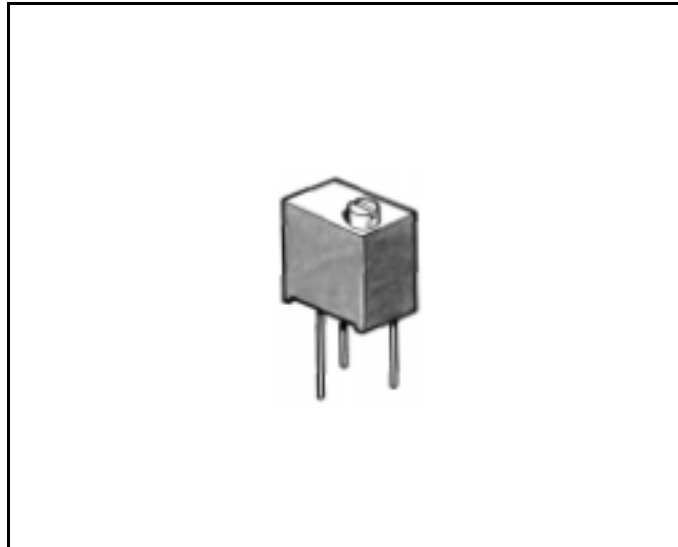

Professional Trimmers



TYPE 4270 SERIES

Small modern and reliable, this is a range of 6mm square multiturn trimming potentiometers well suited to industrial and professional applications. For stability, the range has a cermet resistance element. The trimmer is actuated by a lead screw with slipping clutch at each end of travel. Components from this range are available with various adjustment configurations. They are all fully sealed to withstand immersion in normal board washing solvents.

KEY FEATURES

- High Resolution Cermet Element
- Reliable, Quality Performance
- Choice of Adjustment Styles
- 0.25 Watt Rating at 85°C
- Low Temperature Coefficient
- Space-Saving Size
- Double Chevron Seal
- Fully Sealed for Board Washing

STOCKISTS:

This product is stocked by Easby.

TYPE 4270 SERIES

3rd February 2004
ISSUE 6

ELECTRICAL

Resistance Range:	50R to 2M
Resistance Values:	1, 2 and 5 in each decade
Resistance Tolerance:	± 10%
End Resistance:	2 Ohms or 1% whichever is the greater.
Slider Current:	50 mA maximum.
Power Rating:	0.25W at 85°C derating to zero at 125°C
Isolation Voltage:	300 V dc or ac peak maximum
Limiting Element Voltage:	250 V dc or ac RMS maximum
Breakdown Voltage:	420 VAC
Insulation Resistance:	1000 M at 500 V dc
Resolution:	Essentially Infinite
Rotational Noise (CRV):	3 Ohms or 3 %, whichever is greater maximum.
Electrical Adjustment:	12 ± 1 turns

MECHANICAL

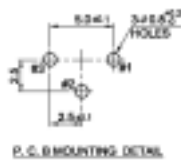
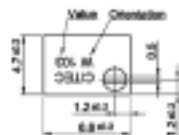
End Stop:	Slipping clutch action, wiper idles
Starting Torque:	< 21mNm
Mechanical Adjustment:	14 turns, nominal
Weight:	0.4gm maximum

ENVIRONMENTAL

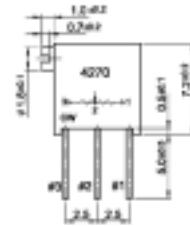
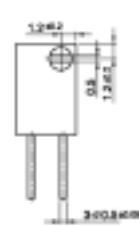
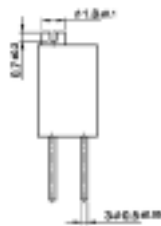
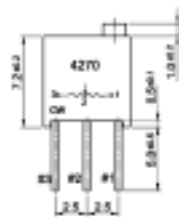
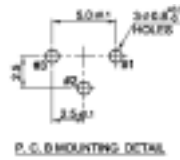
Temperature Range:	-55°C to +125°C
Thermal Shock:	5 Cycles -55°C to +125°C
Temperature Coefficient:	± 250ppm/°C
Shock:	100g
Vibration Severity:	10 - 500Hz; 10g (0.75mm or 98m/s ²)
Rotational Life:	200 Cycles
Load Life at 85°C:	ΔR <2% after 1000 hours
Sealing:	Sealed for board washing

DIMENSIONS

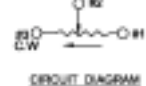
4270W



4270X



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



HOW TO ORDER

4270	W	502	K
COMMON PART	PIN LAYOUT	RESISTANCE VALUE	TOLERANCE
4270	W - Top Adjust X - Side Adjust	The first digits are significant figures of resistance value and the third one denotes the number of zeros following	Example 1k : 102 5k : 502 100k : 104
			K = ± 10%

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