

## 1/4" Square (6.35mm) Multiturn Cermet Trimmer


**FEATURES**

- Small Compact Size
- Swaged Terminal Pins
- Multifinger Wiper for Better Contact Resistance
- Solder Plated Terminals for Good Solderability
- Fully Sealed Housing for Immersion Cleaning
- Flame Retardent Plastic Housing

The Model 74 is manufactured to meet the highest reliability standards demanded by today's equipment manufacturers. Environmental and performance testing to MIL-STD-202 and MIL-R-22097 ensures these standards are maintained. Available in three pin styles for top or side adjustment and with a range of standard values from 10 to 1 M with a tolerance of  $\pm 10\%$ . With excellent setting stability characteristics and case sealing to 85°C for 1 min.

<b>ELECTRICAL SPECIFICATIONS</b>	
PARAMETER	
Effective Travel	12 turns nominal
Resistance Range	10 to 1M
Resistance Tolerance	$\pm 10\%$
End Resistance	2 maximum
Temperature Coefficient of Resistance	$\pm 100\text{ppm}/^\circ\text{C}$
Power Rating	0.25 watts @ 85°C derated linearly to zero watts @ 125°C. Maximum voltage not to exceed 300V
Dielectric Withstanding Voltage	600VAC
Insulation Resistance	1000M minimum (at 500VDC)
Contact Resistance Variation	3% or 3 whichever is greater

<b>MECHANICAL SPECIFICATIONS</b>	
PARAMETER	
Stop	Contact idles at stop
Operating Torque	21.6mNm maximum
Resistance Element	Cermet
2-Terminal Adjustability	0.05% of RT
3-Terminal Adjustability	0.01% of applied voltage

<b>ORDERING INFORMATION</b>		
74 MODEL	P TERMINAL	XXX RESISTANCE VALUE
P, W, X		
Example: 74 - P - XXX		

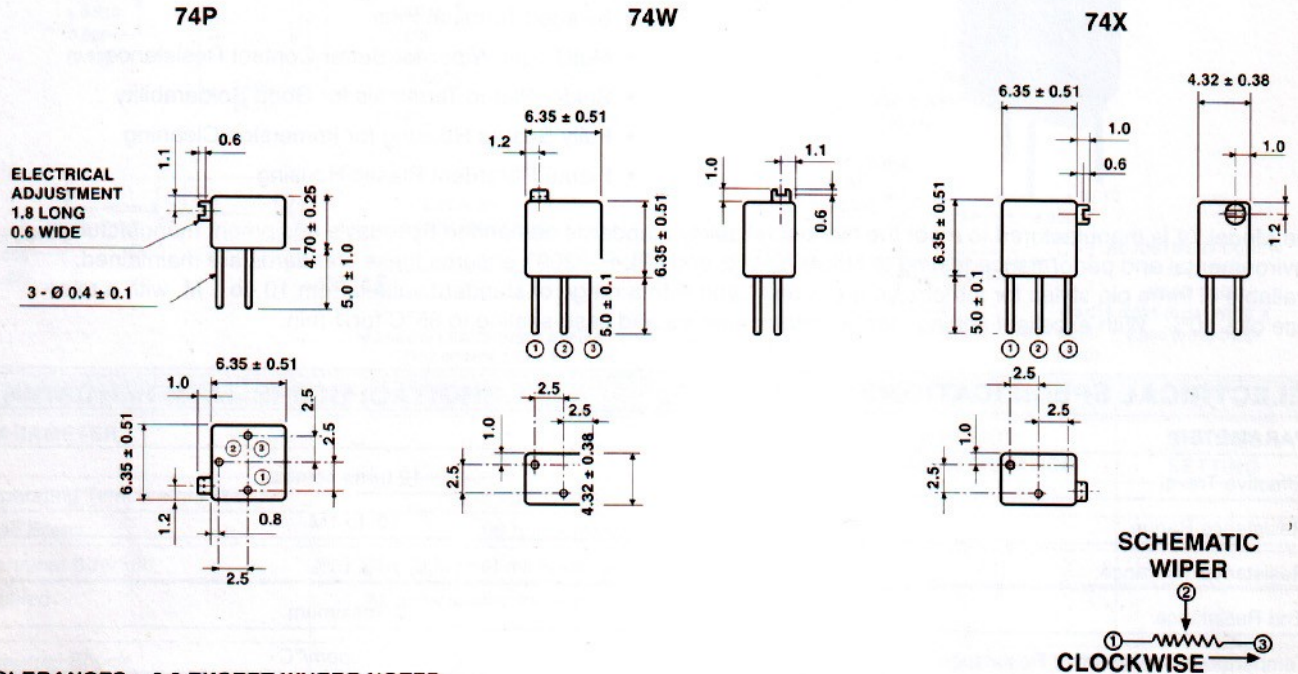


# Model 74

Vishay Spectrol 1/4" Square (6.35mm) Multiturn Cermet Trimmer



**DIMENSIONS** in millimeters



TOLERANCES ± 0.3 EXCEPT WHERE NOTED.

ENVIRONMENTAL SPECIFICATIONS				
PARAMETER		MAX R	CHANGE $\frac{V_{AB}}{V_{AC}}$	RELATED DOCUMENTS PER MIL SPEC
Temperature Range	- 55°C to + 125°C	1%	1%	MIL - STD - 202
Vibration	20g	1%	1%	MIL - STD - 202
Electrical Endurance	1000 hours	2%	2%	MIL - R - 22097
Resistance to Heat	-	1%	1%	MIL - R - 22097
Damp Heat Steady State	-	2%	-	MIL - STD - 202
Sealing	85°C for 1 min	-	-	MIL - R - 22097
Mechanical Life	200 cycles	2%	-	-
Terminal Strength	2.2lbs (1kg)	minimum	-	-

RESISTANCE VALUES	
Ohms	10R, 20R, 50R, 100R, 200R, 500R, 1K, 2K, 5K, 10K, 20K, 50K, 100K, 200K, 500K, 1M

MARKING	
Unit Identification	Manufacturer's name and model number, resistance value, tolerance, date code and terminal identification