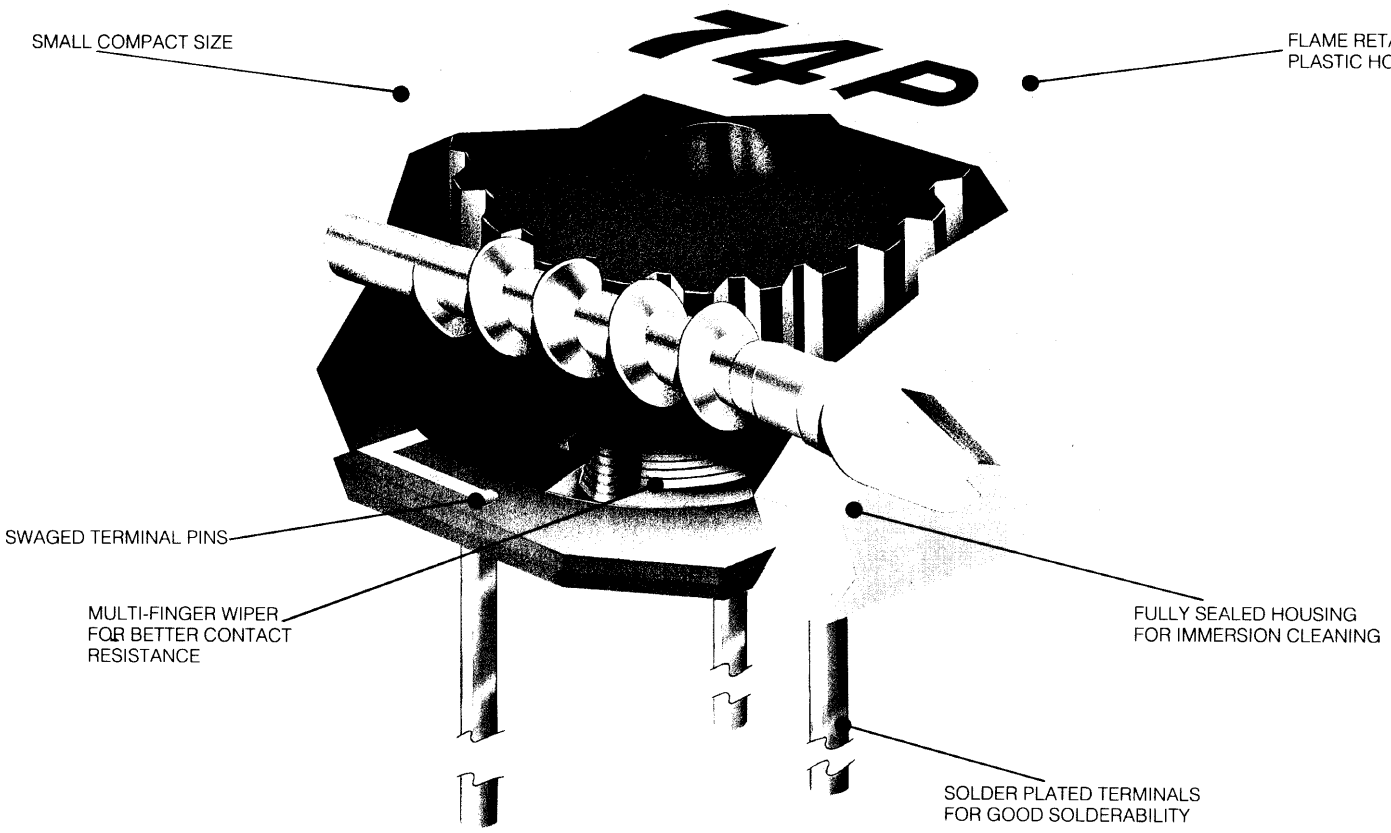
The Model 74

74



A $^1/_4$"sq (6.35mm) multiturn cermet trimmer with features to make it your no. 1 choice from the SUPATRIM stable.

The new 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 ohms to 1 Megohm with a tolerance of ± 10%.
With excellent setting stability characteristics and case sealing to 85°C for 1 min, the Model 74 is another sure winner from the Supatrim stable.

Spectrol®

A Kearney-National Company

Spectrol Reliance Limited, Garrard Way, Swindon, Wiltshire SN3 3HY Tel: 0793 521351 Telex: 494692 Fax: 0793 539255
Spectrol Electronics GmbH, Bauschstrasse 16, W7334 Süssen, Germany. Tel: 07162/7001-2, Telex: 727388, Fax: 07162/3546

MODEL 74 10Ωto 1 Megohm TRIMMING POTENTIOMETERS

SPECIFICATIONS (per MIL where noted)

ELECTRICAL

EFFECTIVE TRAVEL	12 turns nominal
RESISTANCE RANGE	10Ω thru 1 megohm
RESISTANCE TOLERANCE	±10%
END RESISTANCE	2Ω max
TEMPERATURE COEFFICIENT OF RESISTANCE	±100 ppm/° C
POWER RATING	0.25 watts at 85° C derated linearly to zero watts at 125° C. Maximum voltage not to exceed 300 V.
DIELECTRIC WITHSTANDING VOLTAGE	600 VAC
INSULATION RESISTANCE	1000 megohms minimum (at 500 VDC)
CONTACT RESISTANCE VARIATION	3% or 3Ω whichever is greater

ENVIRONMENTAL

		MAX CHANGE △R	MAX CHANGE Vab Vac	RELATED DOCUMENTS PER MIL SPEC
CHANGE OF TEMPERATURE	-55°C to 125°C	1%	1%	MIL-STD-202
VIBRATION	20G	1%	1%	MIL-STD-202
ELECTRICAL ENDURANCE	1000 hour	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)	min		

MECHANICAL

STOP	Contact idles at stops
OPERATING TORQUE	3mNm nominal 216g cms max.
RESISTANCE ELEMENT	Cermet
2-TERMINAL ADJUSTABILITY	0.05% of RT
3-TERMINAL ADJUSTABILITY	0.01% of applied voltage

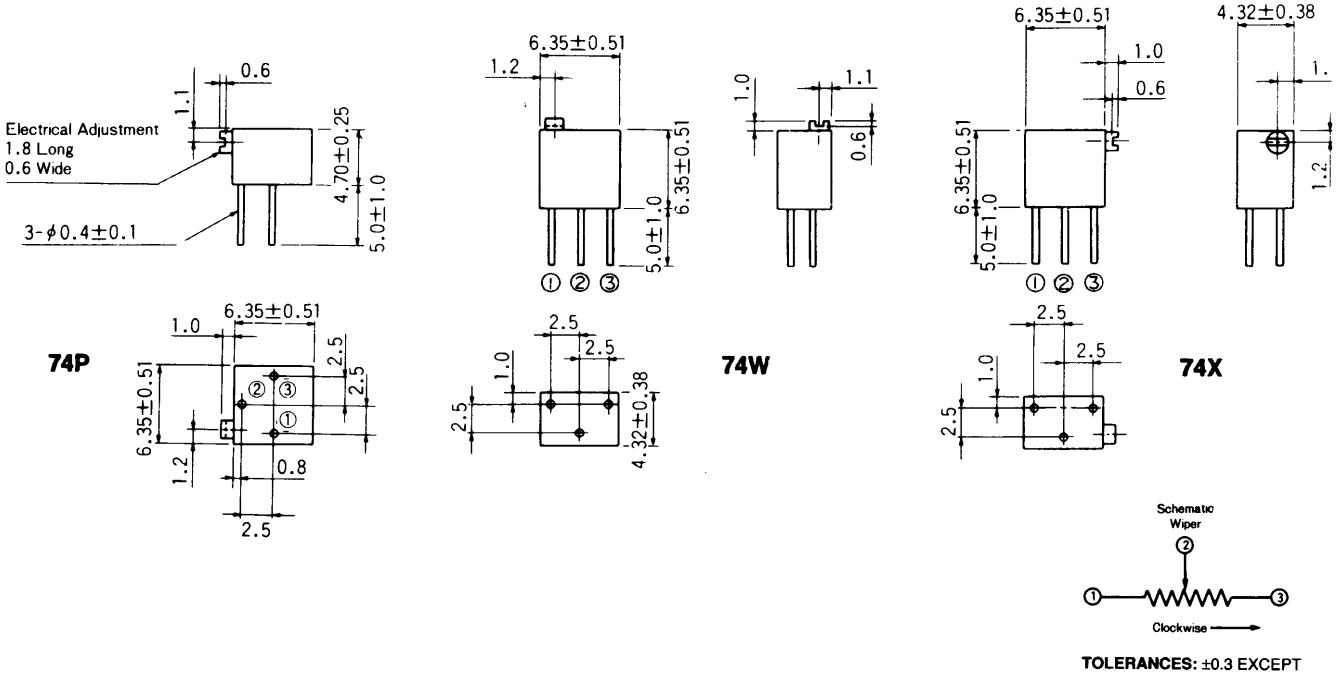
RESISTANCE VALUES - OHMS

10R, 20R, 50R, 100R, 200R, 500R, 1k, 2k, 5k, 10, 20k, 50k, 100k, 200k, 500k, 1M.

MARKING

Unit Identification:
Manufacturer's name and part number, IEC resistance value coding, tolerance, date code and terminal identification.

DIMENSIONS



TOLERANCES: ±0.3 EXCEPT WHERE NOTED. UNIT MM

Spectrol Reliance Ltd.
Garrard Way
Swindon, Wiltshire, England
Swindon 521351 • Telex: 494692
Fax: 0793 539255

Spectrol Electronics Corporation
4051 Greystone Drive
Ontario, CA 91761
(714) 923-3313
Fax: 714/923-6765

Spectrol Electronics GmbH
Bauschstrasse 16,
W7334 Süssen, Germany.
Tel: 07162/7001-2 • Telex: 727388
Fax: 07162/3546

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