

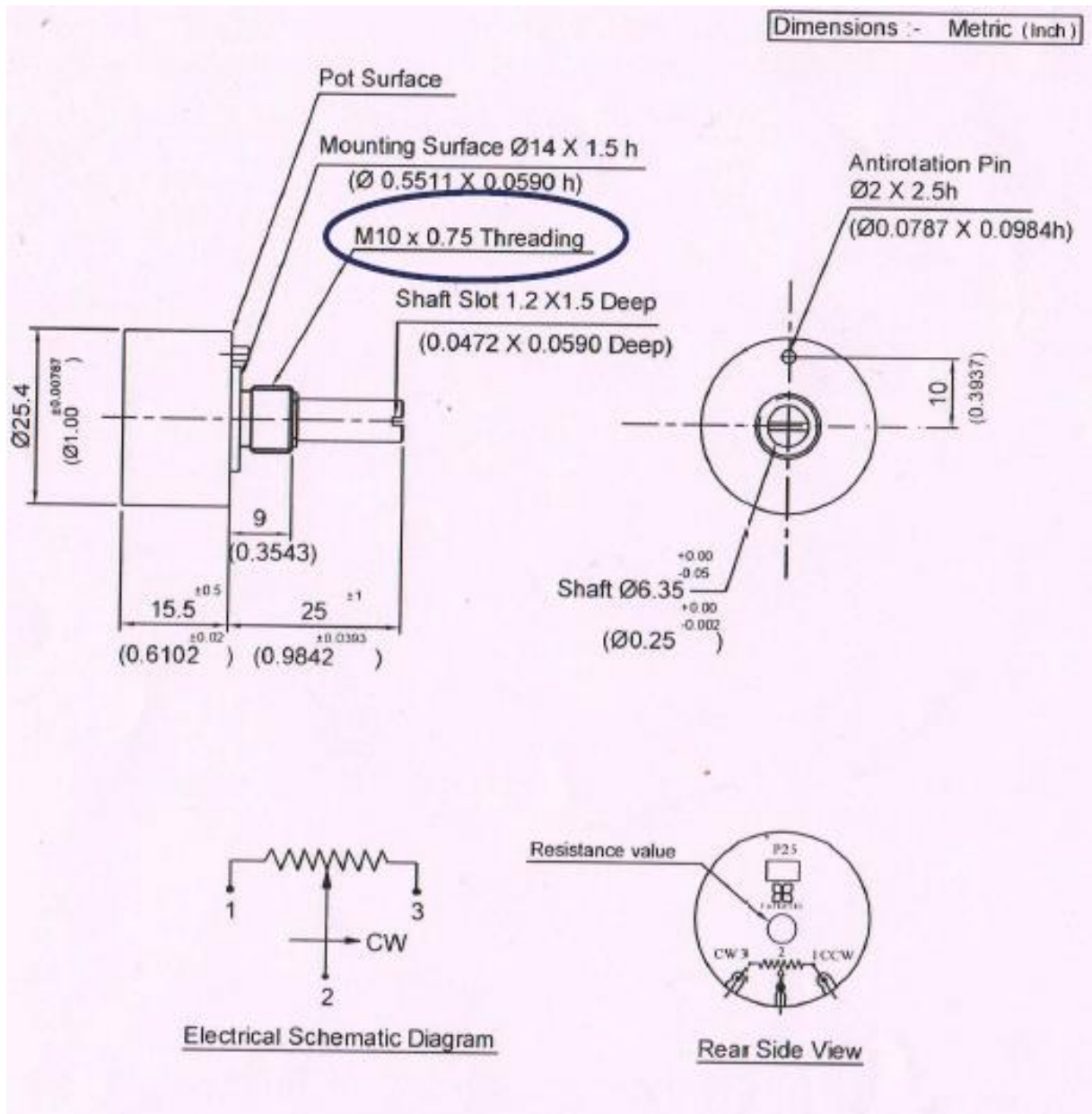


ENGLISH

## Dimensions

# RS Pro Single Turn Potentiometer Wire Wound

Stock No: 842-7071



<u>ELECTRICAL CHARACTERISTICS</u>	<u>UNITS</u>	<u>VALUE</u>
Resistance Element.....	--	Wire Wound
Resistance value	Ohms	50,100, 500, 1k,2k,5k,10k. Other values upto 100k
Standard Resistance Tolerances.....	%	± 10
Standard Independent Linearity Tolerances..(IEC 393)..	%	± 1
Electrical angle.....(Smaller angles optional)	Degrees	270° ± 5°
Equivalent Noise Resistances.....	Ohms	<100
Resolution.....	%	As per turns
Temperature Coefficient of Resistance (TCR).....	ppm/deg C	± 50 Up to 1k ohms ± 150 for other values.
Power Rating @ 70° C.....	Watts	1
Insulation Resistance @ 500 Vdc.....	M Ohms	1000
Dielectric Strength @ 50 Hz.....	V ac	500
Maximum Wiper current.....	mAmps	1
Short time wiper current 10 sec.	mAmps	10
End Resistance	%	< 0.1 OR 5 Ohms which is higher

#### MECHANICAL CHARACTERISTICS :-

Rotation (Mechanical Angle). With stop.....	Degrees	285° ± 5°
Bearing Type.....	--	Sleeve
Torque... Starting.....	Nmm (Oz inch)	15 (2.124)
Torque... Running.....	Nmm (Oz inch)	10 (1.41)
Axial Play	m.m.(inch)	0.2 (0.00787)
Radial Play	m.m.(inch)	0.2 (0.00787)

#### ENVIRONMENTAL CHARACTERISTICS :-

Operating Temperature.....	Degrees C	-40 to +105
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#### PERFORMANCE :-

Rotational Life (shaft Revolutions).....	Nos	100,000
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#### MATERIALS OF CONSTRUCTION:-

Housing.....	--	Engineering Plastics
Shaft.....	--	Brass nickel plated
Terminals.....	--	Brass Silver plated
Mounting Hardware ....	--	Lock Washer-steel + Nut-Brass, A/F 14 X 3 mm,both Nickel plated
Bushing.....	--	Brass Nickel Plated

**Soldering Recommendation :-** Use soldering Iron at 350° C for 3 second maximum.

Clean the soldered pads with Isopropyl alcohol after soldering.

Continuous improvements are being made for enhancing performance for customer benefit in product design & process.The product supplied may be slightly different than described by above specifications