

SINGLE TURN POTENTIOMETER

Model P25

Ø 25 mm

1 00 000 Cycles

Wire Wound



RESENZO
SMARTER SENSING AND CONTROL

Features:

- Robust Construction
- Economically priced
- Good Linearity

Applications:

- Welding and Soldering Machines
- Electric Actuators
- Measuring Instruments



Electrical Data:

Resistance Range	: 100Ω,500Ω,1kΩ,5kΩ,10kΩ
Resistance Tolerance	: ± 10%
Linearity	: ± 1 %
Power Rating	: 1 W at 70°C
Resolution	: Dependent on number of turns
Max. Wiper Current	: 10 mA in case of Failure (10 Sec)
Supply Voltage	: $U = \sqrt{P \times R}$
Insulation Resistance	: 1GΩ at 500Vdc
Equivalent Noise Resistance	: Max. 100Ω
Dielectric Strength	: 500Vac
Temperature Coefficient	: Dependent of Resistance Range
End Resistance	: 0.1%or 5Ω (Whichever is higher)

Mechanical Data:

Life	: 1'00'000 Rotations
Repeatability	: 1%
Protection Class	: IP40
Operating Torque	: Typ. 0.5 Ncm
Mech. Angle	: CR or 285°

Environmental Data:

Storage Temperature	: -40°C to +105°C
Operating Temperature	: -40°C to +105°C
Vibration	: 15G
Shock	: 50G

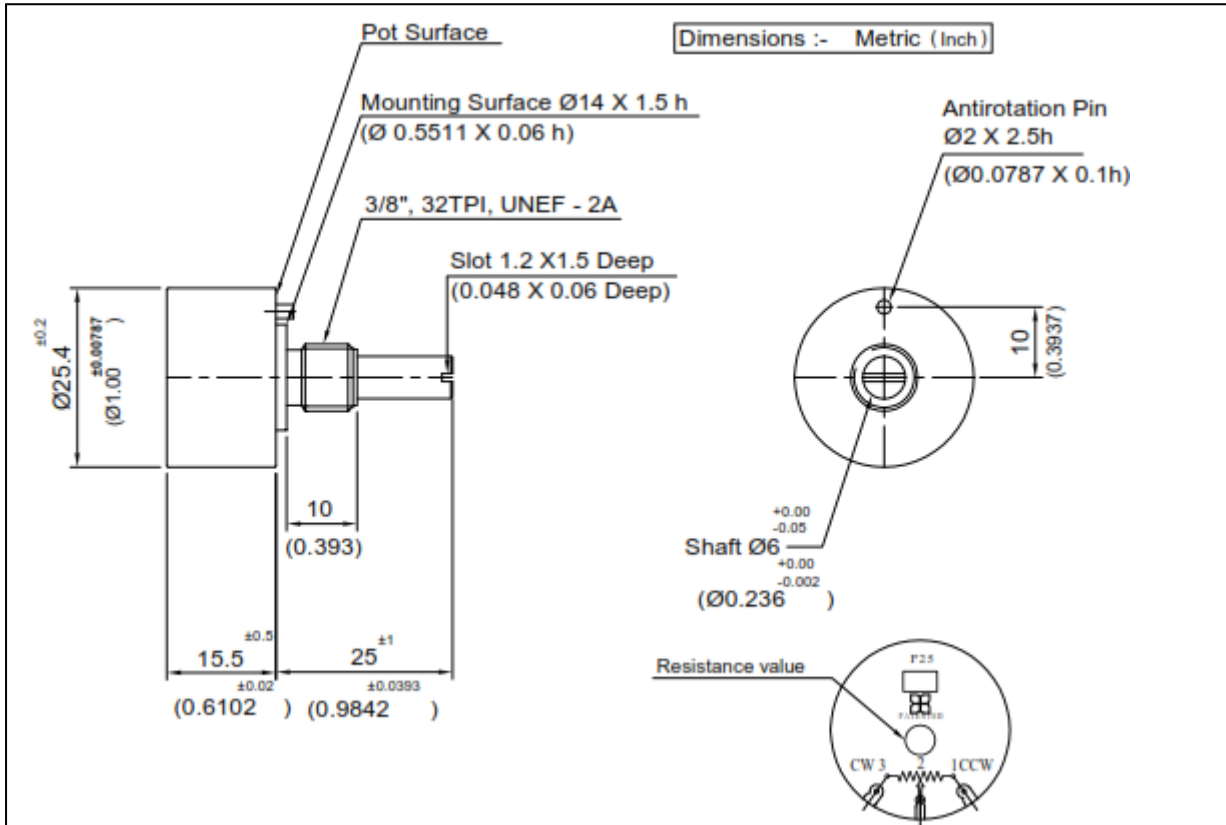
Material:

Housing	: Engg. Plastic
Shaft	: Brass, Nickel plated
Terminals	: Brass, Silver plated

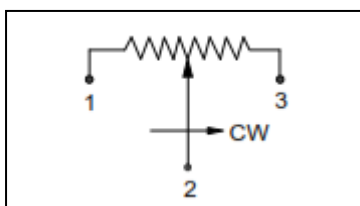
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Dimensional Drawing:



Connection Diagram:



Options:

Upon Request

Specifications subject to change without notice