

**MULTI TURN POTENTIOMETER**  
**Model NHP22 – 3 Turn**  
**ø 22 mm**  
**1 000 000 turns**  
**Wirewound**



**RESENZO**  
SMARTER SENSING AND CONTROL

**Features:**

- Robust Construction
- Economically priced

**Applications:**

- Power Supplies
- Electrical Actuators
- Medical Devices
- Testing and Measurement Devices



**Electrical Data:**

Resistance Range	: 1k $\Omega$ , 2 k $\Omega$ , 5k $\Omega$ , 10k $\Omega$
Resistance Tolerance	: $\pm$ 10%
Linearity	: $\pm$ 0.25 %
Power Rating	: 2 W at 40°C
Resolution	: Dependent on number of turns
Max. Wiper Current	: 10 mA in case of failure (10 Sec)
Supply Voltage	: $U = \sqrt{P \times R}$
ENR	: Max. 100 $\Omega$
Insulation Resistance	: 1 G $\Omega$ at 500Vdc
Dielectric Strength	: 750 Vac
Temperature Coefficient	: 50 ppm/°C or 150 ppm/°C
End Resistance	: 0.1% or 5 $\Omega$ whichever higher

**Mechanical Data:**

Life	: 1'000'000 rotations
Repeatability	: 0.1%
Protection Class	: IP40
Operating Torque	: Typ. 0.5 Ncm
Mech. Angle	: 1080° +10°-0°

**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	: SS 304
Terminals	: Brass, Gold plated
Bush	: Brass, Nickel Plated

**Options:**

Upon Request

Specifications subject to change without notice

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**Standard Drawing:**

