

Precision Wirewound Potentiometer - 7/8" (22mm)



FEATURES:

- special resistance tolerances to 1%
- · rear shaft extensions and support bearing
- non turn lug
- · insulating plastic shaft
- special independent linearity to ± 0.75%
- dual gang configuration and concentric shafts
- · high torque and center tap
- special markings and front shaft extensions
- servo unit available and slipping clutch

ELECTRICAL SPECIFICATIONS:

Resistance range, standard values: 100Ω to $100 K\Omega$

Capability range: 10Ω to $200 K\Omega$

Standard toll: ±5%

Linearity independent: ±0.25%

Noise: 100Ω ENR

Rotation (electrical & mechanical): 3600° + 10%

Power rating @ 70°C: 2.0 watts

Insulation resistance: 1000 MΩ minimum 500 VDC Dielectric strength: 1000 VRMS minimum 60 HZ

Absolute minimum resistance: not to exceed linearity x total

resistance or 1Ω , whichever is greater.

Tempco: 20 ppm/°C (standard values, wire only)

End voltage: 0.25% of total applied voltage, maximum

Phasing: CCW end points - section 2 phased toi section 1

within ± 2°

Taps: center tap only

ENVIRONMENTAL SPECIFICATIONS:

Vibration: 15g thru 2000Hz

Shock: 50g

Rotational life: 1,000,000 cycles

Load life: 900 hours

Operating temperature range: -55°C to ±125°C

Moisture resistant salt spray: 96 hours

MECHANICAL SPECIFICATIONS:

Torque (maximums): starting Weight (maximums):

Section 1: 0.5 oz - in (36gm - cms) **Section 1:** 0.75 oz (21.26 gm) **Section 2:** 0.9 oz - in (65gm - cms) **Section 2:** 1.25 oz (35.44 gm)

Torque (maximums): running Stop strength: 1.75 oz - in (static) (5.4Kgm - cm)

Section 1: 0.4 oz - in (28.80gm - cms) **Section 2:** 0.7 oz - in (50.40gm - cms)

Ganging: 2 sections maximum



DRAWING:

SINGLE SECTION DIMENSIONS in millimeters

