



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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  $\pm 0.75\%$
- 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:** 100  $\Omega$  to 100 K $\Omega$

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

**Standard toll:**  $\pm 5\%$

**Linearity independent:**  $\pm 0.25\%$

**Noise:** 100  $\Omega$  ENR

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

**Power rating @ 70°C:** 2.0 watts

**Insulation resistance:** 1000 M $\Omega$  minimum 500 VDC

**Dielectric strength:** 1000 VRMS minimum 60 HZ

**Absolute minimum resistance:** not to exceed linearity x total resistance or 1 $\Omega$ , 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 to section 1 within  $\pm 2^\circ$

**Taps:** center tap only

### MECHANICAL SPECIFICATIONS:

**Torque (maximums): starting**

**Section 1:** 0.5 oz - in (36gm - cms)

**Section 2:** 0.9 oz - in (65gm - cms)

**Torque (maximums): running**

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

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

**Weight (maximums):**

**Section 1:** 0.75 oz (21.26 gm)

**Section 2:** 1.25 oz (35.44 gm)

**Stop strength:** 1.75 oz - in (static) (5.4Kgm - cm)

**Gangings:** 2 sections maximum

### ENVIRONMENTAL SPECIFICATIONS:

**Vibration:** 15g thru 2000Hz

**Shock:** 50g

**Rotational life:** 1,000,000 cycles

**Load life:** 900 hours

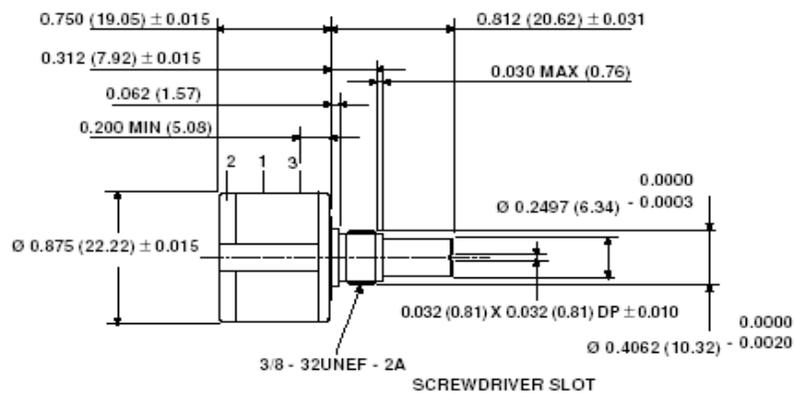
**Operating temperature range:** -55°C to  $\pm 125^\circ\text{C}$

**Moisture resistant salt spray:** 96 hours

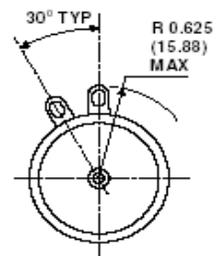
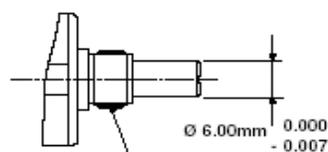


**DRAWING:**

**SINGLE SECTION  
DIMENSIONS** in millimeters



**METRIC**



Mounting hardware, washer and panel nut, nickel plated

