

# Hercules Encoders

查询7811-5K-XXXX-6-SW2供应商

## Series 7000

### Industrial Potentiometer

- Enclosure: 3" Cube
- NEMA 12/13 or NEMA 4 type Sealing
- Flush or Flange Base
- Double Shielded ABEC 5 Ball Bearings, Internal mount provides higher level of reliability
- Steel Gear Drive protects against Shock and Vibration
- 1:1 Standard Ratio, Others available
- 1K, 5K, 10K Ohm 1W Pots, Continuous Mechanical Rotation
- Ideal for Dancer Applications
- Limit Switches Option - Rated at 5 amp - 115VAC standard Gold Crosspoint Contacts Standard
- Operating Temperature Rating: -55° to +105° C (-67° to +221° F) for harsh industrial environments



10

Hercules

捷多邦，专业PCB打样工厂，24小时加急出货

## Specifications

### Mechanical

Standard Shaft Size (Dia.)	.3747"
Shaft Extension(s)	0.80" with .50x.05" flat
Shaft Seals	Neoprene or PTFE Options
Mounting	Refer to dimensional drawings
Bearings	3/8" ID, ABEC 5P Shielded
Radial Loading	30 lbs. Operating
Axial Loading	15 lbs. Operating
Mechanical Angle	Continuous
Rotational Life	10,000,000 Cycles Typical
Standard Gear Ratio	1:1 (Others available)
Housing	Black Anodized Aluminum
Weight	Standard: 24 oz., Sealed: 34 oz.
Connector	3, 6 Pin MS3102 or 18" Cable Out

### Electrical

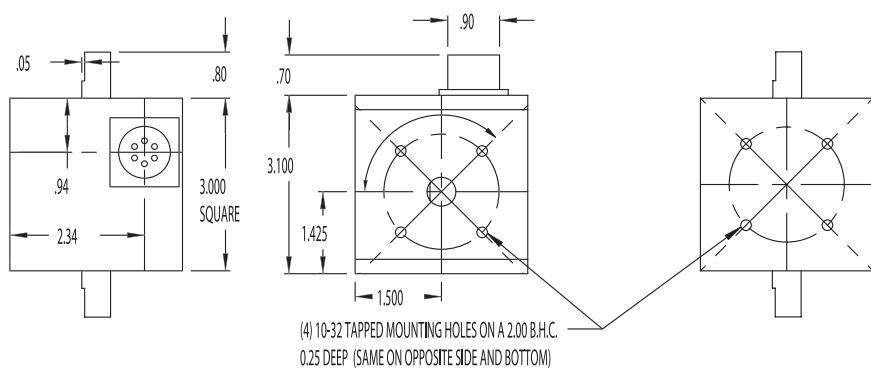
Power Rating at 40° C	1 Watt
Dielectric Strength	500 Vac
Resistance Element	Conductive Plastic
Standard Resistance Values	1K, 5K, 10K Ohm
Resistance Tolerance	±10%
Electrical Angle	320° ±5°
Wiper Assembly	Precious Metal
Independent Linearity	±1%
Resolution	Essentially°

### Environmental

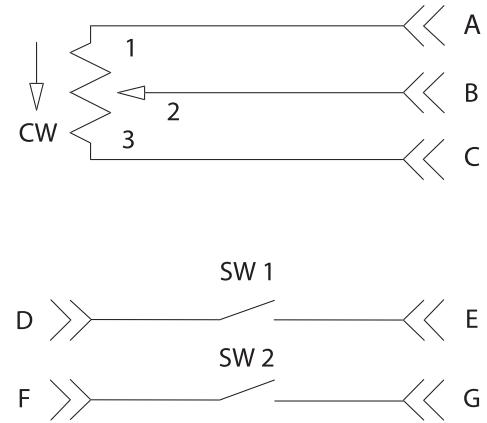
Operating Temp.	-55° to +105° C
Temperature Coefficient	±400 ppm/ °C
Vibration	10 to 2000 Hertz at 15 g's
Humidity	100% Relative Humidity
Enclosures (Sealed)	NEMA 4 type - Watertight
(Standard)	NEMA 12/13 equiv. — Dust-, Oil-Tight

## Dimensional Drawings

### Series 7000 Standard

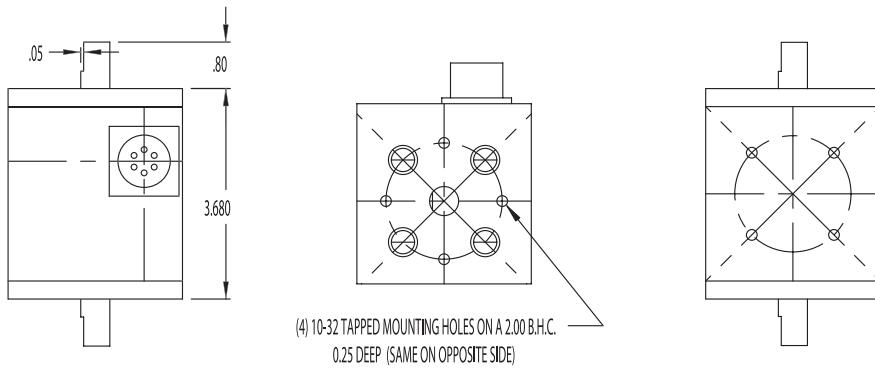


## Wire Drawings



WE RECOMMEND THE CURRENT SINKING MODE

### Series 7000 Standard



## Ordering Information

Shaft Extension 7 3 1 2 —

1=Single  
2=Double

Mounting Type 1 10-32 BHC on shaft ends and base  
1=10-32 BHC on shaft ends and base  
2=Flanged base (BHC on shaft ends)

Housing Type 1 Blank=Standard Housing  
Blank=Standard Housing  
S=Sealed (Elastomer)  
T=Sealed (PTFE)

Pot Resistance 1K —

1K=1K OHM, 1 Watt  
5K=5K OHM, 1 Watt  
10K=10K OHM, 1 Watt  
X=Customer Specified  
(Consult Factory)

Gear Ratio XXXX —

Blank=1:1 (Standard)  
X=Customer Specified  
(Consult Factory)

Connector C —

Blank=MS 3-Pin (Standard)  
6=MS 6 Pin  
C=Cable Out

Limit Switches SW1  
SW1=One Adjustable Limit Switch  
SW2=Two Adjustable Limit Switches