

Features

- Sealed construction (housing sealing according to DIN IEC 68 part 2 - 17 Qc2)
- Additional models and versions available; e.g., locking bushing for locking the shaft
- Cermet resistive element

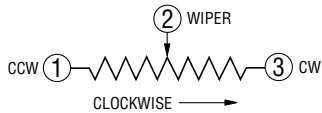
0620 - Rotary Potentiometer

Characteristics

Mechanical Angle 285 ° +0 %/-5 °
 Starting Torque 0.5 to 1.5 Ncm
 End Stop Strength 40 Ncm max.
 Shaft Push-Pull Force 50 N max.
 Resistance Range 100 ohms to 1 megohm
 Resistance Curve Linear
 Power Rating 1 W
 Temperature Range -55 °C to +125 °C
 Rotational Life 25,000 cycles
 Moisture Sensitivity Level 1
 ESD Classification (HBM) N/A

Standard Resistance Table

Resistance (Ohms)	Resistance Code
100	101
220	221
470	471
1,000	102
2,200	222
4,700	472
10,000	103
22,000	223
47,000	473
100,000	104
220,000	224
470,000	474
1,000,000	105

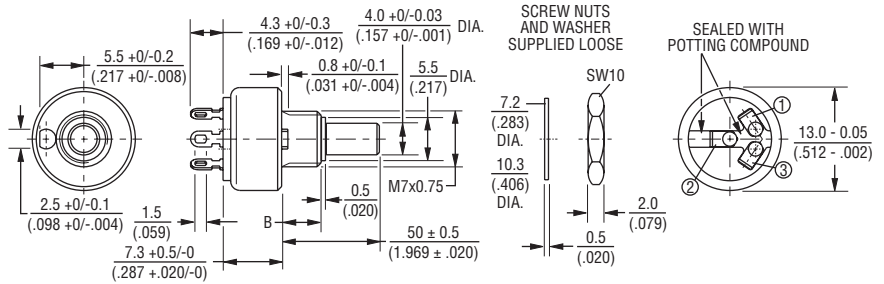


Bushing Dimensions

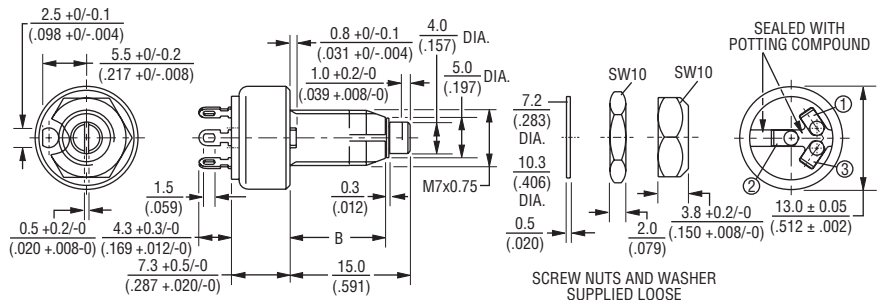
Dim.	Bushing Type		
	H	U	G
B	5.0 ± 0.05 (.197 ± .002)	8.0 ± 0.05 (.315 ± .002)	12.0 ± 0.05 (.472 ± .002)

Product Dimensions

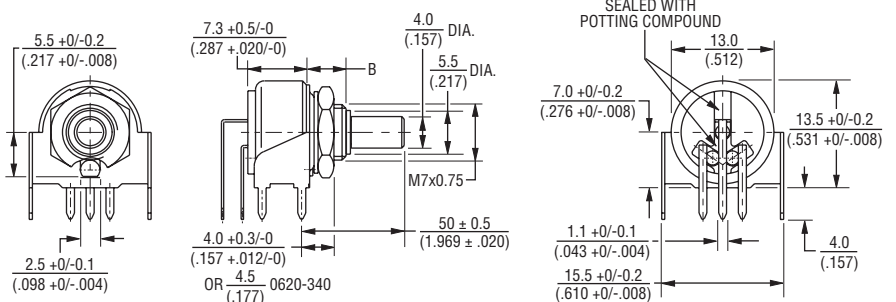
0620-013 (H or U Bushing)



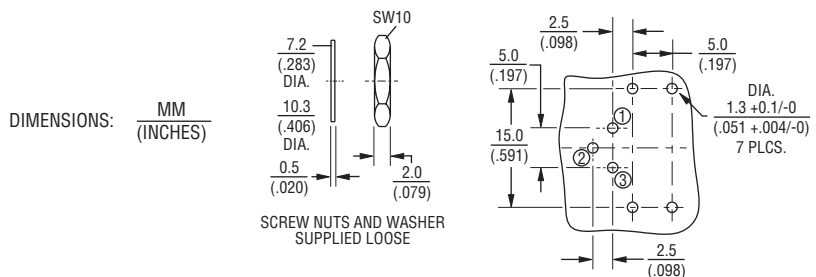
0620-057 (G Bushing Only)



0620-313 (H or U Bushing)



Recommended PCB Layout



*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

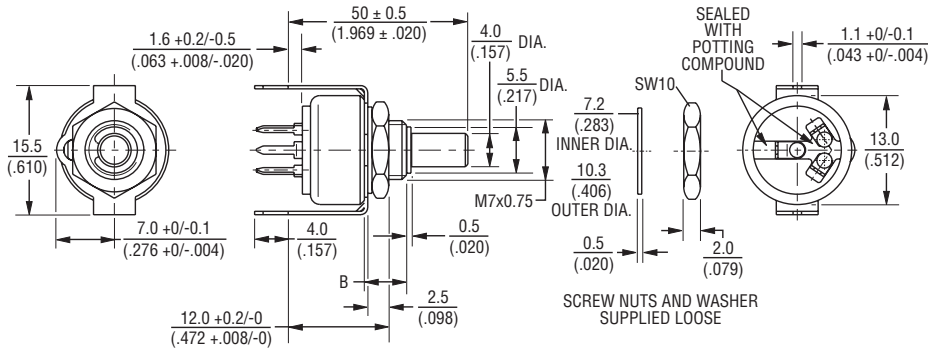
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0620 - Rotary Potentiometer

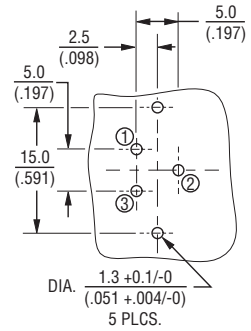
BOURNS®

Product Dimensions

0620-613 (H or U Bushing)



Recommended PCB Layout



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

How to Order

0620 - 013 U 500 - A B 103

Model Type 0620

Terminal Style 013 (Sealed, available with H & U bushing types only)

057 (Locking bushing, Available with G bushing type only)

313 (Available with H & U bushing types only)

613 (Available with H & U bushing types only)

Other versions available upon request.

Bushing & Shaft Type U = 7 mm D x 8 mm L, Shaft 4 mm D

H = 7 mm D x 5 mm L, Shaft 4 mm D

G = 7 mm D x 12 mm L, Shaft 4 mm D

Shaft Length 500 = 50 mm

Other lengths available upon request.

Independent Linearity A = ±5 %

Other versions available upon request.

Element Taper B = Linear Cermet ±20 %

E = Linear Cermet ±10 %

L = Linear Cermet ± 5 %

Resistance Code _____

Other versions available upon request.

REV. 08/17

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Users should verify actual device performance in their specific applications.

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