

**SP22D**

SPECIFICATIONS

ELECTRICAL

RESISTANCE RANGE-----500 TO 100,000 OHMS  
 RESISTANCE TOLERANCE-----±15%  
 LINEARITY INDEPENDENT-----±1.5%  
 POWER RATING ----- 1.0 WATTS  
 ELECTRICAL ANGLE-----320±5°  
 END RESISTANCE ----- LESS THAN 1 OHM  
 RESOLUTION-----ESSENTIALLY INFINITE  
 OUTPUT SMOOTHNESS-----BELOW 0.1% AGAINST INPUT VOLTAGE  
 CONTACT RESISTANCE VARIATION-----BELOW 2%  
 INSULATION RESISTANCE-----1000MEGOHMS @ 500VDC MIN.  
 DIELECTRIC STRENGTH-----500 VAC

MECHANICAL

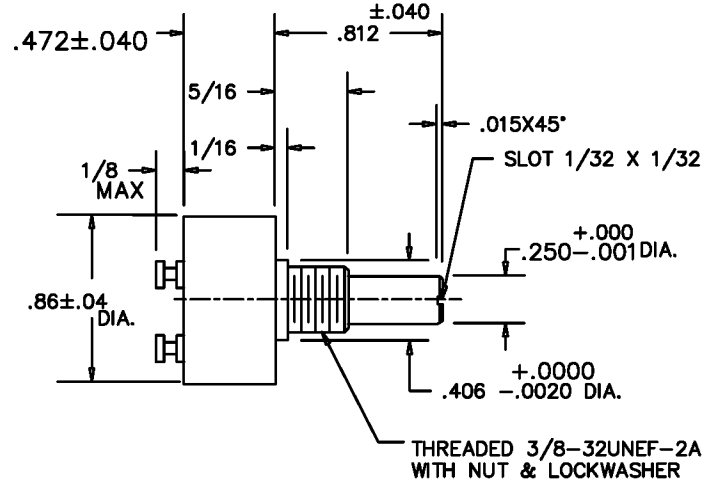
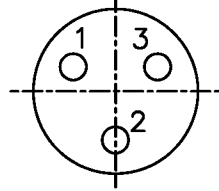
MECHANICAL ANGLE ----- 320±5°  
 ROTATIONAL TORQUE ----- 0.7 OZ.IN.  
 SHAFT END PLAY ----- .005 MAX.  
 TEMPERATURE COEFFICIENT-----±400 PPM/°C  
 WEIGHT, APPROX. ----- 1.1 OZ.

ENVIRONMENTAL

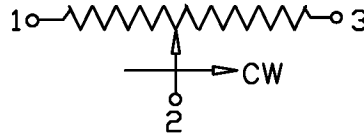
OPERATING TEMPERATURE ----- -55°C TO +105°C  
 TEMPERATURE COEFFICIENT ----- ±400 P.P.M./°C  
 VIBRATION ----- 10HZ TO 2000HZ 15G  
 SHOCK ----- 50G 11MS  
 MOISTURE RESISTANCE ----- 40°C 95%RH 120 HOURS

NON-STANDARDS AVAILABLE

REAR SHAFT EXTENTION  
 FRONT SHAFT MODIFICATIONS  
 CENTER TAP  
 SPECIAL ELECTRICAL AND MECHANICAL ANGLES



SCHEMATIC



Precision Sales Inc.  
 www.precisionsales.com  
 eparts@precisionsales.com  
 610-359-1002

MATERIALS

HOUSING -----BRASS, PLATED  
 TERMINALS-----GOLD PLATED BRASS  
 BUSHING-----BRASS  
 SHAFT -----STAINLESS STEEL  
 ELEMENT-----CONDUCTIVE PLASTIC