30MM DIAMETER / SINGLE-TURN CONDUCTIVE PLASTIC
- Extended rotational life
- Ball bearings front and rear
- Servo Mount
- Ganging up to 10 cups

FOR ORDERING INFORMATION SEE PAGE 286.

Model 6544
Bourns® Precision Potentiometer

Electrical Characteristics
- Standard Resistance Range: 1K to 100K ohms
- Resistance Tolerance: ±10%
- Independent Linearity: ±0.5%
- Effective Electrical Angle: 360° ±2°
- Minimum Voltage: 0.1% maximum (0.2% at 2K ohms, 0.4% at 1K ohms)
- Resolution: Essentially Infinite
- Power Rating (Voltage Limited By)
  - Power Dissipation or 360 VAC, Whichever is Less: 2 watts
  - +70°C: 0.9 watt
- Output Smoothness: 0.1%
- Dielectric Withstanding Voltage: MIL-STD-202, Method 301
  - Sea Level: 1,000 VAC minimum
  - 70,000 Feet: 350 VAC minimum
- Insulation Resistance (500 VDC): 1,000 megohms minimum

Environmental Characteristics
- Operating Temperature
  - Sattacks Operation Temperature Range: -65°C to +125°C
  - Dynamic Operation Temperature Range: -1°C to +125°C
- Temperature Coefficient: 5000 ppms/°C maximum
- Total Resistance Shift: ±10% maximum
- Vibration: 0.1 millisecond maximum
- Wiper Bounce: ±1% maximum
- Shock: ±60G
- Wiper Bounce: ±1 millisecond maximum
- Total Resistance Shift: ±10% maximum
- Load Life: 1,000 hours, 1.5 watts
- Total Resistance Shift: ±10% maximum

Mechanical Characteristics
- Shaft Runout: 0.005mm T.I.R.
- Shaft End Play: 0.005mm T.I.R.
- Shaft Radial Play: 0.005mm T.I.R.
- Pilot Diameter Runout: 0.005mm T.I.R.
- Lateral Runout: 0.005mm T.I.R.
- Backlash: 0.1° maximum
- Mechanical Angle: Continuous
- Torque (Starting & Running): 0.18 Ncm maximum

*At non-proportional, -20°C normal and 95% relative humidity, nominal, except as noted.
**Productivity for complete specification details.

Specifications are subject to change without notice.