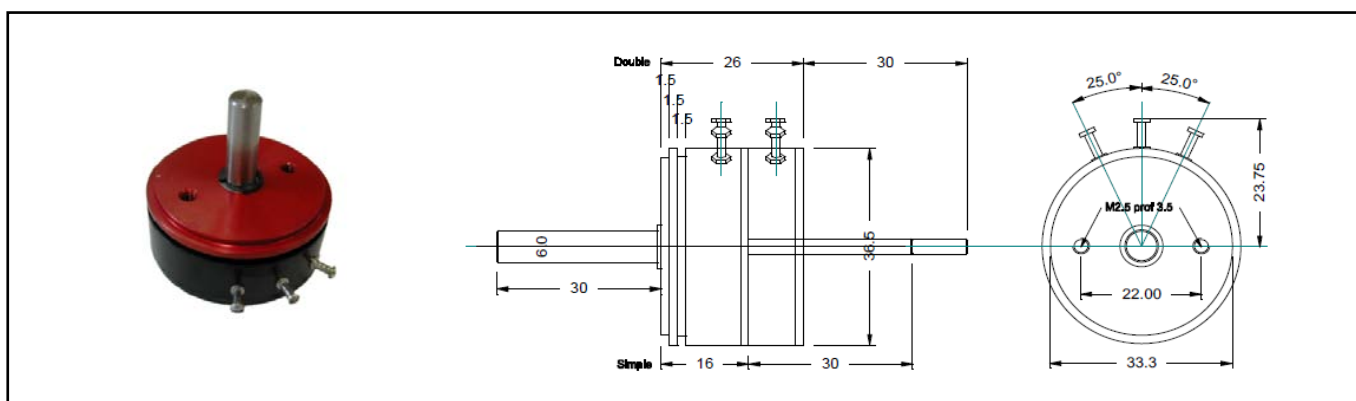


POTENZIOMETRI E ENCODER

POTENZIOMETRI MEGATRON



CARATTERISTICHE TECNICHE

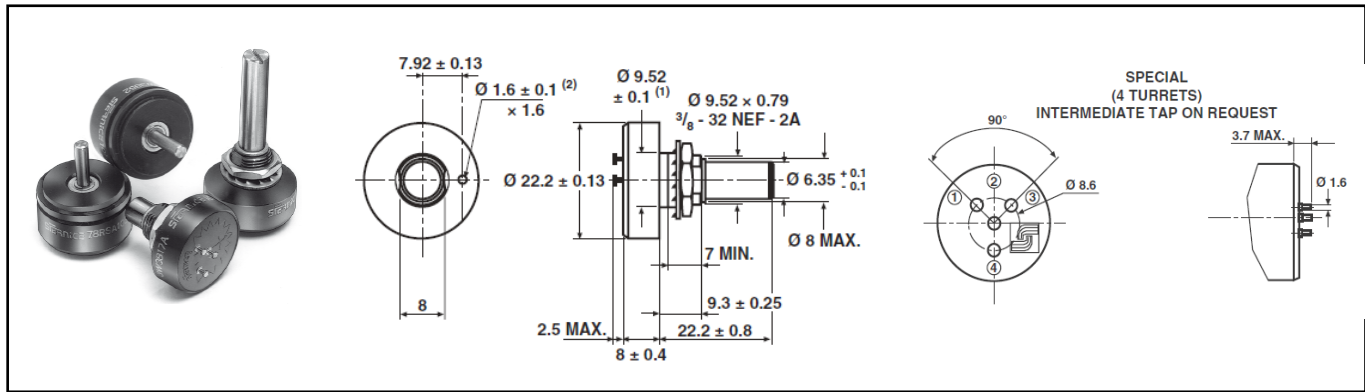
- Life expectancy: 3 000 000 turns
- Rotational torque: < 0.7 N.cm
- Radial backlash: 0.1 mm
- Axial backlash: 0.05 mm
- Bearing: Ball bearing
- Operating temperature: -55°C / +125°C
- Shaft material: Stainless steel
- Housing: Duroplastic W5257
- Terminals: Tinned brass

CARATTERISTICHE ELETTRICHE

- Description: 1 turn endless
- Standard values: 2.2 kΩ, 4.7 kΩ, 10 kΩ
- Tolerance: ± 5%
- Independant linearity: ± 0.25%
- Dielectric strength: 500 V DC / 1 min.
- Electrical angle: 355°±5°
- Power rating at 70°: 4W
- Temperature drift: < 50 PPM/°C
- Electrical noise: < 100 ENR

CODICI

- 2.2 kΩ - PRVV9035PE
- 4.7 kΩ - PRVV9020PE
- 10 kΩ - PRVV9025PE



CARATTERISTICHE TECNICHE

- Mechanical Angle (MA): 360° continuous
- Mounting Type: Bushing
- Shaft Guiding: Sleeve bearings
- Shaft: Stainless steel
- Termination: Turrets
- Wiper: Precious metal multi-finger contact
- Starting Torque: ≤ 0.5 N.cm
- Torque on Stops: ≥ 20 N.cm
- Weight: 17 g ± 3 g
- Life: 5x10⁶ Cycles
- Temperature Range: -55°C / +125°C
- Climatic Category: 55/125/04
- Speed Rotation: 150 RPM
- Sine Vibration on 3 Axes: 15 g from 10 Hz to 2000 Hz
- Mechanical Shocks on 3 Axes: 50 g - 11 ms - half sine

CARATTERISTICHE ELETTRICHE

- Theoretical Electrical Angle (TEA): (AEA) - 3°
- Independent linearity (over TEA): ≤ ± 1 %
- Actual Electrical Angle (AEA): 340° ± 5°
- Ohmic Values (RT): 5 - 10 kΩ
- Ohmic Value Tolerances at 20°C: max ± 20 %
- Output Smoothness: 0.1 %
- Maximum Power Rating at 70°C: 0.3 W
- Wiper Current: Recommended: a few μA - 1 mA max. (continuous)
- Resistance Load on Wiper: ≥ 1000 x RT
- End Voltage: ≤ 0.5 %DC
- Insulation Resistance: ≥ 1000 MΩ, 500 VDC
- Dielectric Strength: ≥ 500 VRMS, 50 Hz

CODICI

- 5 kΩ - PRVV9021PE
- 10 kΩ - PRVV9026PE

