Features
- Available in Linear and Audio Taper
- Solder Lug and Combination Type Terminals
- Perfect for Consumer Electronics Applications

16mm Potentiometer

Potentiometer – 0.1 Watt and 0.2 Watt, 6mm dia. shaft, Single Turn

P7

Specifications

Electrical
- Resistance Range – Linear Taper: 1KΩ to 1 Meg Ω
- Audio Taper: 1KΩ to 1 Meg Ω
- Resistance Tolerance: ±20%
- Sliding Noise: less than 47mV
- Residual Resistance: ≤ 20Ω (R > 10K)
- ≤ 10Ω (R ≤ 10K)
- Insulation Resistance: more than 100 Meg Ω at 500VDC
- Switch Contact Resistance: less than 50 Meg Ω
- Operating Voltage: 150VAC
- Rated Power – Linear Taper: 0.2W
- Audio Taper: 0.1W
- Switch Rated Power: 125VAC at 1A
- Withstand Voltage: 1 minute at 500VAC

Mechanical
- Total Rotation Angle: 300° ±5°
- Switch Angle: 35° ±10°
- Rotation Torque: 30gf.cm to 200gf.cm
- Switch Action: 50gf.cm to 350gf.cm
- Rotation Stopper Strength: 8Kgf.cm Max
- Shaft Push–Pull Strength: 7Kgf. Max
- Rotation Life: 15,000 cycles
- Switch Life: 10,000 cycles
- Mounting Hole: .312” (7.9mm) dia.

Environmental
- Operating Temperature: −10°C to +70°C
- Resistance to Soldering Heat: 260°C for 3 seconds

NTE Part No. | Value (Ohms) | Taper | Switch | Terminal Style | Diag No. |
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502−0301 | 1K | Linear | No | Combination | P7 |
502−0302 | 1K | Linear | Yes | Solder Lug | P8 |
502−0303 | 1K | Audio | No | Combination | P7 |
502−0304 | 1K | Audio | Yes | Solder Lug | P8 |
502−0305 | 5K | Linear | No | Combination | P7 |
502−0306 | 5K | Audio | No | Combination | P7 |
502−0307 | 5K | Audio | Yes | Solder Lug | P8 |
502−0308 | 10K | Linear | No | Combination | P7 |
502−0309 | 10K | Linear | Yes | Solder Lug | P8 |
502−0310 | 10K | Audio | No | Combination | P7 |
502−0311 | 10K | Audio | Yes | Solder Lug | P8 |
502−0312 | 50K | Linear | No | Combination | P7 |
502−0313 | 50K | Audio | No | Combination | P7 |
502−0314 | 50K | Audio | Yes | Solder Lug | P8 |
502−0315 | 100K | Linear | No | Combination | P7 |
502−0316 | 100K | Audio | No | Combination | P7 |
502−0317 | 100K | Audio | Yes | Solder Lug | P8 |
502−0318 | 500K | Linear | No | Combination | P7 |
502−0319 | 500K | Linear | Yes | Solder Lug | P8 |
502−0320 | 500K | Audio | No | Combination | P7 |
502−0321 | 500K | Audio | Yes | Solder Lug | P8 |
502−0322 | 1M | Linear | No | Combination | P7 |
502−0323 | 1M | Audio | No | Combination | P7 |
502−0324 | 1M | Audio | Yes | Solder Lug | P8 |