Features

- Bushing mount
- Optional center tap and rear shaft extension
- Optional AR lug feature
- Non-standard features and specifications available
- RoHS compliant*

3540/3548 - Precision Potentiometer

Electrical Characteristics[1]	3540 Wirewound Element	3548 Wirewound Element
Standard Resistance Range	10 K ohms	8 K ohms
Total Resistance Tolerance	±5 %	±5%
Independent Linearity	±0.2%	±0.2 %
Effective Electrical Angle	3600 ° +10 °, -0 °	2880° +10 °, -0 °
Rotation Noise	3%R maximum	3%R maximum
Power Rating	160VAC.	160VAC.
+70 °C	2 watts	2 watts
+125 °C	0 watt	0 watt

Environmental Characteristics[1]

Temperature Range	-22 °C to +125 °C	-22 °C to +125 °C
Temperature Coefficient Over	±100 ppm/°C maximum/unit	±100 ppm/°C maximum/unit
Vibration	10~50Hz,0.75mm,6h $\triangle$R=±1%maximum	10~50Hz,0.75mm,6h $\triangle$R± 1%maximum
Collision	390m/S^2,4000cycles $\triangle$R±1%maximum	390m/S^2,4000cycles $\triangle$R ± 1%maximum
Life	10,000 cycles	10,000 cycles
Steady damp-heat	$\triangle$R=±3%R maximum,R$_1$=100M ohms minimum	

Mechanical Characteristics[1]

Mechanical Angle	3600 ° +10 °, -0 °	2880° +10 °, -0 °
Stop Strength		200mN.m minimum
Torque Starting & Running		36mN.m maximum
Weight		Approximately 21 g
Terminals		Gold-plated solder lugs
Soldering Condition Manual Soldering		370 °C (700 °F) max. for 3 seconds
Wave Soldering		260 °C (500 °F) max. for 5 seconds.
Wash processes		Not recommended
Marking		part number, resistance value and date code (Optional)
Hardware		One lock washer and one mounting nut is shipped with each potentiometer.

[1]At room ambient: +25 °C nominal and 50 % relative humidity nominal, except as noted.

Product Dimensions

3540/3548

The flat body direction error is ±5 °
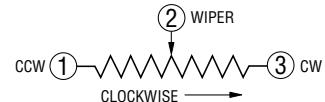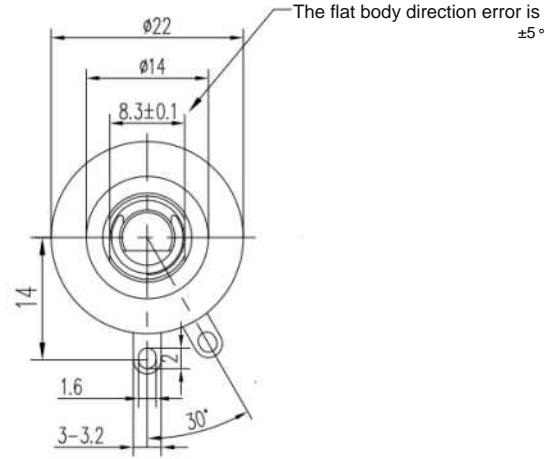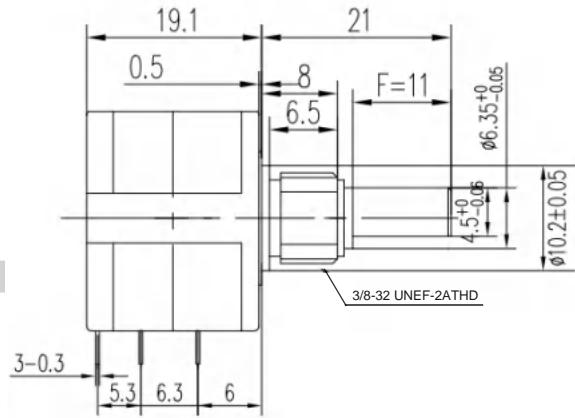
How To Order

Part Number	Resistance (Ω)
3540	10,000
3548	8,000

Hardware