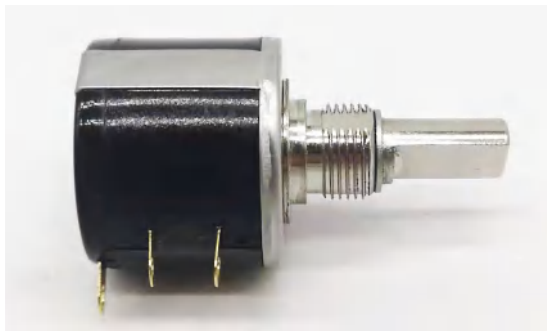




Features

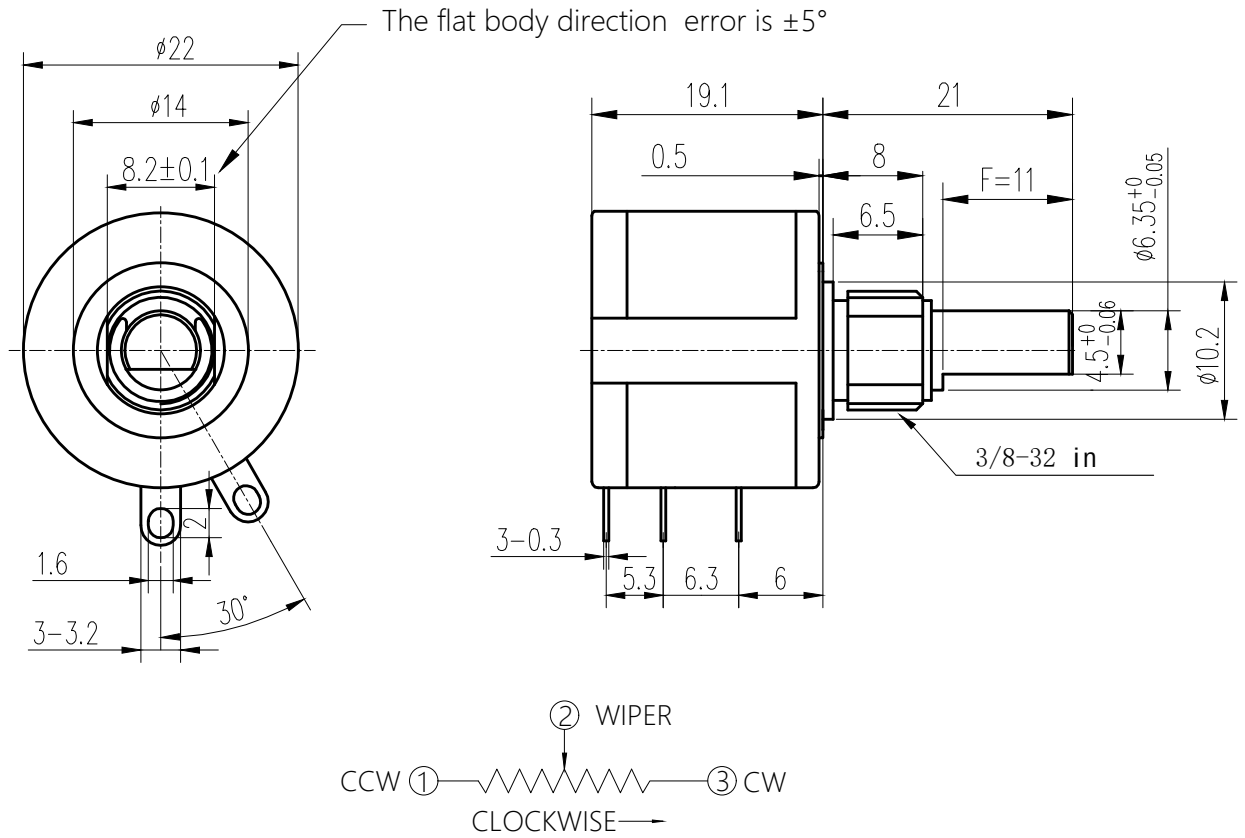
- Bushing mount
- Non-standard features and specifications available
- RoHS compliant*

3540/3548/3545 - Precision Potentiometer

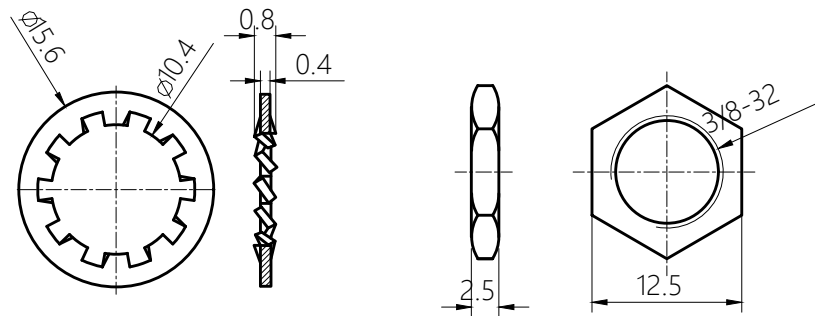
Electrical Characteristics	3540 Wirewound Element	3548 Wirewound Element	3545 Wirewound Element
Standard Resistance Range	10 K ohms	8 K ohms	5 K ohms
Total Resistance Tolerance	±5 %	±5 %	±5 %
Independent Linearity	±0.2%	±0.2%	±0.2%
Effective Electrical Angle	3600 ° ±10 °	2880 ° ±10 °	1800 ° ±10 °
Rotation Noise	3%R Max.	3%R Max.	3%R Max.
Power Rating	160VAC	160VAC	160VAC
+70 °C	2 watts	2 watts	2 watts
+125 °C	0 watt	0 watt	0 watt
Environmental Characteristics			
Temperature Range	-22 °C to +125 °C	-22 °C to +125 °C	-22 °C to +125 °C
Temperature Coefficient Over	±100 ppm/°C Max./unit	±100 ppm/°C Max./unit	±100 ppm/°C Max./unit
Vibration	10~50Hz,0.75mm,6h△R=±1% Max.	10~50Hz,0.75mm,6h△R=±1% Max.	10~50Hz,0.75mm,6h△R=±1% Max.
Collision	390m/S,4000 cycles△R±1% Max.	390m/S,4000 cycles△R±1% Max.	390m/S,4000 cycles△R±1% Max.
Life	10,000 cycles	10,000 cycles	10,000 cycles
Steady damp-heat	△R=±3%Max.,R1 =100M ohms Min.	△R=±3%Max.,R1 =100M ohms Min.	△R=±3%Max.,R1 =100M ohms Min.
Mechanical Characteristics			
Mechanical Angle	3600 ° ±10 °	2880° ±10 °	1800 ° ±10 °
Stop Strength	200mN.m Min.	200mN.m Min.	200mN.m Min.
Torque Starting & Running	36mN.m Max.	36mN.m Max.	36mN.m Max.
Terminals	Gold-plated solder lugs	Gold-plated solder lugs	Gold-plated solder lugs
Manual Soldering	300 °C max. for 3 seconds	300 °C max. for 3 seconds	300 °C max. for 3 seconds
Wash processes	Not recommended	Not recommended	Not recommended
Marking	part number, resistance value and date code (Optional)		
Hardware	One lock washer and one mounting nut is shipped with each potentiometer.		

Product Dimensions

3540/3548/3545

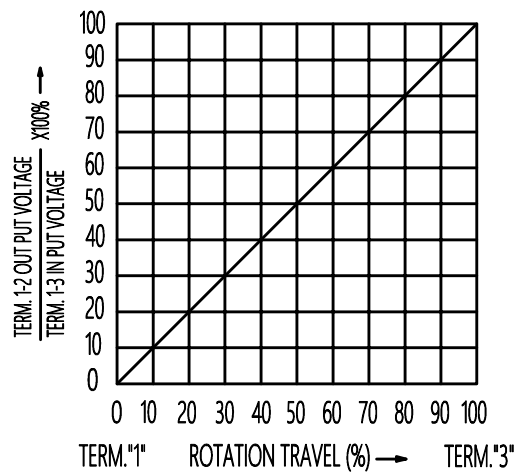


Hardware



Taper

TAPERS (B) SERIES



General Tolerance

Dimension:

$X < 10 \pm 0.3\text{mm}$

$10 \leq X < 30 \pm 0.5\text{mm}$

$30 \leq X \leq 100 \pm 1\text{mm}$

Angle: $\pm 5^\circ$

How To Order

Part Number	Resistance (Ω)
3540	10,000
3548	8,000
3545	5,000