## **Single-Turn Precision Potentiometer**

Model 3381

### Features:

- 1-5/16" diameter
- Conductive plastic





## **Electrical**



### Mechanical

Total Mechanical Travel	360° Continuous (350° ±2° with stop feature)		
Number of Gangs	1 maximum		
Weight	1.5 oz. nominal		
Shaft Runout	0.0025" maximum T.I.R.		
Pilot Diameter Runout	0.0025" maximum T.I.R.		
Lateral Runout	0.003"maximum T.I.R.		
Shaft Radial Play	0.004" maximum		
Start/Run Torque	1.0 ozin. maximum, ES option adds 0.5 ozin.		

<sup>1</sup> Specifications subject to change without notice.

<sup>2</sup> Linearity is measured between 1% and 99% of input voltage.

<sup>3</sup> Special TCR available to ±100 ppm/°C.

<sup>4</sup> Measured with 10 VDC CW to CCW and slider at 50% of electrical travel

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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Environmental

Operating Temperature Range	-40°C to +125°C dynamic, -65°C to +125°C static
Temperature Cycling	5 cycles, -65°C to +125°C, maximum 10% ΔR
Shock	6 ms sawtooth, 100 G's, 0.1 ms maximum discontinuity
Vibration	10 G's, 10 to 500 Hz, maximum 2% $\Delta R,$ 0.1 ms maximum discontinuity
Moisture Resistance	five 24 hour cycles, maximum 25% ΔR
High Temperature Exposure	1,000 hours at 125°C, maximum 0.5% ΔR
Rotational Life	10 million shaft revolutions
Rotational Load Life	10 million shaft revolutions, maximum 10% $\Delta R$
Ingress Protection Rating (IP Code)	IP50, IP66 available as option (feature code ES)



### **FEATURE CODES**

СТ	
LT	
FS	
SS	
SL	
ST	
ES	

When multiple Optional Feature codes are used the P/N shall be in the same sequence as listed in this table (top to bottom).

### **CIRCUIT DIAGRAM**

### STANDARD RESISTANCE VALUES



1K	5K	20K	100K
2К	10K	50K	

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