



## Thin Linear Sensing

Talk with a Technician: 888.795.2283

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## SoftPot Datasheets

### Mechanical Specifications

Life Cycle:	>1 million
Height:	≤0.51mm (0.020")

Actuation Force (with a 10mm wide active cavity):

-40°C 0.8 to 1.8 N  
 -25°C 0.8 to 1.8 N  
 +23°C 0.6 to 1.5 N  
 +50°C 0.6 to 1.5 N

### Electrical Specifications

Resistance – Standard:	10k Ohms(lengths >300mm = 20k Ohms)
Resistance – Custom:	1k to 100k Ohms
Resistance Tolerance:	±20%
Effective Electrical Travel:	8 to 2000mm
Linearity (Independent):	Linear ±1% & 3% Rotary ±3% & 5%
Repeatability:	No hysteresis, but with any wiper looseness some hysteresis will occur
Power Rating (depending on size, varies with length and temperature):	1 Watt max. @ 25°C, ≤0.5 Watt recommended
Resolution:	Analog output theoretically infinite; affected by variation of contact wiper surface area.
Dielectric Value:	No affect @ 500VAC for 1 minute

### Environmental Specifications

Operating Temperature:	-40°C to +50°C
Humidity:	No affect @ 95% RH, 4hrs 50°C
IP Rating of Active Area:	IP65



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