

## MODEL 9600 MINIATURE SPRING RETURN LINEAR MOTION POSITION SENSORS

### Specifications:

- Terminal Length: 7.1mm
- Actuation Force: 4.0 Newton's Maximum
- Linearity over Active Electrical Travel:  $\pm 2\%$
- Mechanical Life: 2,000,000 Full Cycles, 5,000,000 Dither Cycles

### Features:

- Plastic housing and shaft
- Plated brass eyelet style terminals
- 4.8mm diameter shaft

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Active Elec. Travel	Mechanical Elec. Travel	Res. 20%	Dimensions: mm				Price Each		
Mfr.	Mfr. Part No.				C	D	E	F	1	5	10
682	9605R1.7KL2.0	10mm	14.2mm	1.7K	26.90	7.6	5.1	20.6	65.00	32.00	25.00
682	9610R3.4KL2.0	22.8mm	26.9mm	3.4K	39.60	12.7	12.7	33.3	45.00	32.00	28.00
682	9615R5.1KL2.0	35.6mm	39.6mm	5.1K	52.30	20.3	17.8	46.0	42.25	38.60	31.25

## MODEL 600 LINEAR MOTION POSITION SENSORS

### Specifications:

- Power Rating at 70°C: 0.25 Watts
- Output Smoothness: 0.1%
- Resolution: Infinite
- Dielectric Strength: 500VDC
- Actuation Force: 2oz. (0.56 Newtons) max.
- Repeatability: Within 0.0005 in. (0.013)
- Mechanical Life: 10,000,000 Cycles
- Temperature Range: -55°C to +125°C

Supplied with #28 AWG Teflon insulated wire 12 inches in length.

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Active Elec. Travel	Mechanical Elec. Travel	Res. 20%	(A) Case Dim.	Price Each		
Mfr.	Mfr. Part No.					1	5	10
682	601R1KL.7	23mm	28mm	1K	57mm	254.18	222.95	193.16
682	602R2KL.35	48mm	53mm	2K	89mm	263.20	230.88	218.12
682	603R3KL.25	74mm	79mm	3K	114mm	271.10	237.81	216.34
682	604R4KL.15	99mm	104mm	4K	140mm	304.43	271.13	228.32
682	610R10KL.09	251mm	257mm	10K	292mm	338.88	297.28	270.43

## MODEL 9800 THROTTLE POSITION AND INDUSTRIAL CONTROL SENSORS

### Specifications:

- Power Rating at 70°C: 0.15 Watts
- Linearity over Active Electrical Rotation:  $\pm 2\%$
- Mechanical Life: 1,000,000 Full Cycles, 5,000,000 Dither Cycles

### Features:

- High temperature plastic housing
- Sealed for harsh environments
- Spring return

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Active Elec. Travel	Mech. Rotation	Res. 20%	Rotation Direction	Output	No. of Pins	Price Each		
Mfr.	Mfr. Part No.							1	5	10
682	9806R5KL2.0	85	120	5K	CCW	Single	3	45.00	38.00	35.00
682	9811R5KL2.0	85	120	5K	CW	Single	3	49.12	43.99	38.28
682	9812R5KL2.0	85	120	5K	CCW	Single	3	54.29	48.35	44.20

## MODEL 9850/9860 SINGLE AND DUAL OUTPUT-LOW-PROFILE-PRECISION ROTARY SENSOR MODULES

### Specifications:

- Power Rating at 70°C: 0.15 Watts
- Linearity over Active Electrical Rotation:  $\pm 2\%$
- Mechanical Life: 1,000,000 Full Cycles, 5,000,000 Dither Cycles

### Features:

- High temperature plastic housing
- Sealed for harsh environments
- Spring return

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Active Elec. Travel	Mech. Rotation	Res. 20%	Rotation Direction	Output	No. of Pins	Price Each		
Mfr.	Mfr. Part No.							1	5	10
682	9851R5KL2.0	85	120	5K	CW	Single	3	37.69	31.83	29.31
682	9852R5KL2.0	85	120	5K	CCW	Single	3	37.69	31.83	29.31
682	9855R5KL2.0	130	180	5K	CW	Single	3	38.25	32.30	29.75
682	9856R5KL2.0	130	180	5K	CCW	Single	3	38.25	32.30	29.75
682	9861R5KL2.0	85	120	5K	CW	Dual	6	58.50	49.40	45.50

## MODEL 9900 DUAL OUTPUT HALL EFFECT SENSORS

### Specifications:

- Resolution: Analog (continuous)
- Temperature Range: -40°C to +85°C
- Rotational Life: 10 Million

### Features:

- Rotating magnet/fix sensor configuration provides improved accuracy and reliability
- Two independent outputs for redundancy
- Fully programmable outputs; programmable offset, gain, slope, and temperature compensation

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Active Elec. Travel	Mech. Rotation	Rotation Direction	Output	No. of Pins	Price Each		
Mfr.	Mfr. Part No.						1	5	10
682	9902090CW	90	180	CW	Dual	6	54.00	45.61	42.00

## HARNESS ASSEMBLIES

Assemblies for models 9900 (6pin) and 9850 (3 and 6 pin).

### Specifications:

- Overall length is 12"
- Lead length is 11"  $\pm$  .5"

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Active Elec. Travel	Lead Length	No. of Pins	Price Each		
Mfr.	Mfr. Part No.				1	5	10
682	1-172	Harness Assembly	11"	3	14.05	12.58	10.95
682	1-173	Harness Assembly	11"	6	21.42	18.10	16.65

