LHK15-30 Linear Hall Effect Potentiometer

For more information about this product, visit our website at: www.potentiometers.com

LHK15-30 Hall Effect Linear Potentiometer
with front and rear extended shaft

**Features**
- Contactless Linear Motion Potentiometer
- 30mm stroke
- IP65 rating
- Single, Dual, or Dual Independent Output
- 50 million operations life expectancy
- RoHS compliant

**Mechanical Specifications**
- Mechanical Stroke: Approx. 34mm
- Friction: Within 0.6N(60gf)
- Mass: 44g
- Stop Strength: Approx. 20N(2kgf)
- Life expectancy: Approx. 50,000,000 reciprocating motions

**Electrical Specifications**
- Electrical Stroke: 30mm±5mm
- Applied Voltage: 5VDC ±10%
- Output Voltage: 0.5 to 4.5V (±0.15V)
- Load Resistance: 10K ohms min.
- Effective Output: 10%±3% to 90%±3% Vin
- Output Temp. Characteristics: Within ±0.8% Vout * FX

**Environmental Specifications**
- Operating/Storage Temperature: -40°C to +105°C
- Thermal Shock: -40°C to +105°C 5 cycles
- Low Temp Exposure: 24 hours at -40°C
- High Temp Exposure: 1,000 hours at +105°C
- Vibration: 10HZ to 2,000HZ 196m/s² 12 hours
- Shock: 980m/s² 6 ms (18 times)
- EMS Durability: 100V/m (80MHz to 1GHz 1kHz 80% Amplitude Modulation)
- ESD Durability: ±8kV contact discharge / ±15kV aerial discharge
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Example Part Number: LHK15-30-P

<table>
<thead>
<tr>
<th>LHK</th>
<th>15</th>
<th>30</th>
<th>P</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>Dimension</td>
<td>Stroke</td>
<td>Output</td>
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<tr>
<td>LHK</td>
<td>15 = 15mm width</td>
<td>30 = 30mm effective electrical stroke (standard)</td>
<td>S = Single output P = Dual Parallel output X = Dual Cross output</td>
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</tbody>
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