

Conductive Polymer Potentiometer



LM10 Linear Motion Potentiometer

- 10mm linear travel
- Flange mounting
- High performance
- Cost effective solution
- RoHS compliant



Conductive polymer potentiometer with 10mm linear effective travel for automotive and industrial applications. Connection via flying leads colour coded as detailed below, 200 mm in length. Standard spindle is 3mm diameter with a length of 29mm from fixing face., but other lengths area available upon request

Electrical Data

Resistance value options	1K, 5K and 10K Ohms
Selection tolerance	+/- 20%
Independent linearity	+/- 2.0% typical
Output signal temperature coefficient	<25 ppm / °C max
Microgradient in output range 4% to 96%	0.5% over a 2 deg window
Isolation voltage	500V a.c. r.m.s.
Operating temperature	-40°C to +130°C
Hysteresis	<0.3%
Effective travel	10mm +/- 0.5mm
Mechanical travel	12.5mm maximum
Endurance	3 X 10 ⁶ cycles
Operational force (return spring)	750 grams

