

## Panel Potentiometer Offers A Long Life Cycle



Offering a long life of 500,000 cycles, the P10L panel potentiometer from Vishay Intertechnology has a temperature coefficient down to  $\pm 150$  ppm/ $^{\circ}\text{C}$  and small 9.6-mm size. Featuring a fully sealed IP67 package with pure Sn terminals, the potentiometer is intended for control panel, low-cost actuation proportional pedal, and illumination applications in toys, hospital bed audio systems, air conditioning controls, portable heater controls, simple tool machines, and dimmers. Its cermet element provides stability, while its 1,000-VRMS dielectric strength offers reliability. The device has a plastic shaft and bushing, with custom shafts available in accordance to drawings supplied by customers. The device offers a maximum operating torque of 2.83 oz./inch, and an end stop torque of 9.9 oz./inch. The potentiometer features four resistance values from 1 k $\Omega$  to 50 k $\Omega$ , with a low 1 percent typical contact resistance variation and operates at a temperature range of  $-40^{\circ}\text{C}$  to  $+100^{\circ}\text{C}$ .

### Vishay Intertechnology Inc.

402-563-6866, [www.vishay.com](http://www.vishay.com) [1]

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