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Fast Facts

Product Group: Vishay Sfernice, Transducers / December 2024



UIPMA / UFPMA Customization: New KIT Potentiometer Membrane Assembled in Customizable Metal Profile

Vishay offers a variety of position sensors based on a membrane technology, including a complete range of ultra flat industrial potentiometer membrane (UIPMA and UFPMA) position sensors. Now we're launching a device assembled with its wiper in a metal profile to give users an easy way to integrate the sensor into end equipment.



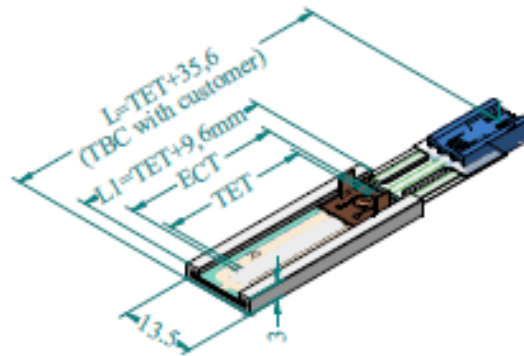
The interface features a low profile (thickness of 3 mm and width of 13.5 mm), allowing designers to take advantage of the performances of the UIPMA / UFPMA without having to manage the distance between the wiper and sensor surface. The pressure is auto-calibrated by the assembling performed in Vishay facilities.

Key Advantages

- ✓ **Easier assembling:** no need to manage the distance between the wiper and sensor surface. The pressure is auto-calibrated by the assembling
- ✓ **Waterproof:** thanks to the performances of the UIPMA / UFPMA technology
- ✓ **Customizable profile:** the shape of the metal profile (shape and outer dimensions: width, height) can be adapted upon customer request
- ✓ **Interfacing:** the wiper drive interface can be customized



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Main Features

- ✓ Total electrical travel length from 27 mm to 2000 mm
- ✓ Linearity: +2 % standard (1 % on request) from TET 27 mm
+0.25 % for TET 2000 mm
- ✓ Output read: analog
- ✓ Customizable profile: the shape of the metal profile (shape and outer dimensions: width, height) can be adapted upon customer request
- ✓ Interfacing: the wiper drive interface can be customized
- ✓ Output variants: flat flex cable or wires
- ✓ Dimensions: 13.5 mm x 3 mm x (TBD in function of customer request)
Note: width of 13.5 mm and thickness of 3 mm are for small length (consult us to define dimensions)
- ✓ Temperature range (on request): -55 °C to +100 °C
- ✓ Part number: KITPMA...

Compatible Product Range

- ✓ UFPMA, UIPMA, KITPL design

Useful Links

- [UFPMA/UFPMC product page](#)
- [UIPMA/UIPMC product page](#)

Contact Information

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