



## HCPD-5V-U3

**Product code:** HCPD-5V-U3

**Manufacturer:** Samyoung S & C

HumiChip offers the most advanced and cost effective humidity and temperature sensing solution for virtually any type of applications. Capacitive polymer sensor chip developed and fabricated in-house and CMOS integrated circuit with EEPROM are integrated into one embedded system in a reflow solder-able SMD package.

Individually calibrated and tested, HumiChip performs  $\pm 2\%$  from 20% to 80%RH ( $\pm 3\%$  over entire humidity range), and yet, is simple and ready to use without further calibration or temperature compensation.

Application :

- Energy Saving HVAC Control
- Process Control & Instrumentations
- Automobile & Transportation
- Mass Quantity Application

<b>Accuracy</b>	$\pm 3\%$ RH
<b>Humidity range</b>	0 ~ 100% RH
<b>Operating temperature</b>	- 40 ~ 125°C
<b>Supply voltage</b>	2.3 V ~ 5.5 V
<b>Sensor type</b>	Humidity and temperature
<b>Output</b>	I2C