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Humidity Sensor HS1101LF

Humidity Sensor

Sensor Model: HS1101LF (Color Black Case)

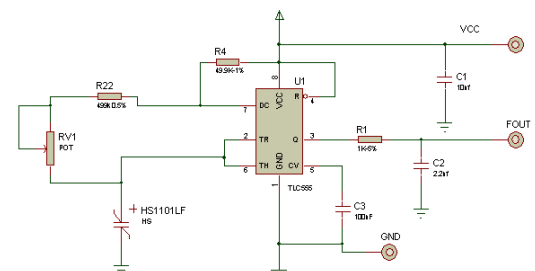
Capacitive Humidity Sensor - High accuracy and high reliability ROHS compliant.

Specifications:

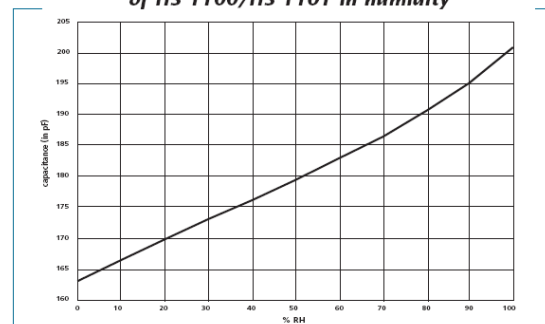
- Humidity Measuring Range 1-99 %RH
- Supply Voltage Vs 10 V
- Nominal capacitance @55%RH 180+/-3 pF
- Temperature coefficient Tcc -0.01 pF/°C
- Average Sensitivity from 33% RH to 75%RH is 0.31 pF/%RH
- Leakage Current (Vcc=5V) I = 1 nA
- Recovery time after 150 hours of condensation tr 10 s
- Humidity Hysteresis +/- 1 %RH
- Long term stability T +/- 0.5 %RH/yr
- Time Constant (at 63% of signal, still air) 33%RH to 80%RH ta 3.5 s
- Deviation to typical response curve (10% RH to 90%RH) +/- 2 %RH

Applications:

- Cold storage humidity monitoring and control
- Tea fermenting zone humidity monitoring and control
- Food grain storage humidity monitoring
- Processed food moisture monitoring
- Green houses humidity monitoring and monitoring
- Soil moisture monitoring and control
- Concrete moisture monitoring and control
- Environmental survey humidity monitoring



Typical response curve
of HS 1100/HS 1101 in humidity



Contact:

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