

HM1500LF – Relative Humidity Module



- Small size product
- Product free from Lead, Cr(6+), Cd and Hg
- Humidity calibrated within +/-2% @55%RH
- Typical 1 to 3.6 Volt DC output for 0 to 100% RH at 5Vdc supply
- Ratiometric to voltage supply from 4.75Vdc to 5Vdc
- Patented solid polymer structure



DESCRIPTION

Based on the rugged HS1101LF capacitive humidity sensor, HM1500LF is a dedicated humidity transducer designed for OEM applications where a reliable and accurate measurement is needed. Direct interface with a micro-controller is made possible with the module's linear voltage output.

FEATURES

- Full interchangeability
- High reliability and long term stability
- Not affected by water immersion
- Very low temperature dependence
- Suitable for 3 to 10 Vdc supply voltage

Humidity Sensor Specific features

Instantaneous de-saturation after long periods in saturation phase
 Fast response time
 Part could be washed with distilled water

APPLICATIONS

- Industrial
- Process control
- ...

PERFORMANCE SPECS

MAXIMUM RATINGS

Ratings	Symbol	Value	Unit
Storage Temperature	Tstg	-30 to 70	°C
Storage Humidity	RHstg	0 to 100	% RH
Supply Voltage (Peak)	Vs	10	Vdc
Humidity Operating Range	RH	0 to 100	% RH
Temperature Operating Range	Ta	-40 to 60	°C

