

TECHNICAL DATA

HUMICHIP

17204HM humidity and temperature  
17205HM humidity

RELATIVE HUMIDITY

Measuring range	1...100 %RH
Accuracy at +20 °C	see figures
Sensor	capacitive humidity sensor

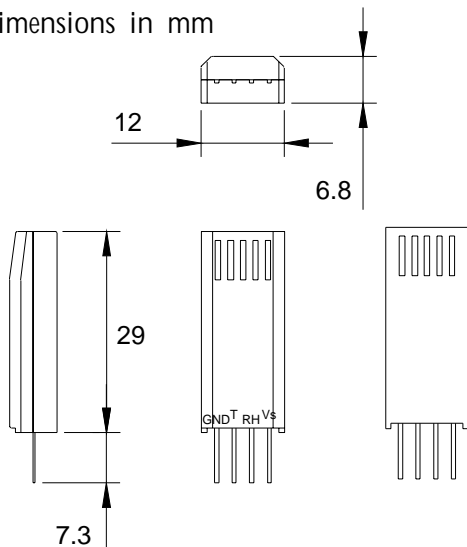
TEMPERATURE (17204HM only)

Measuring range (for which accuracy is specified)	-10...+50 °C
Accuracy	see figure
Sensor	KTY85-110 (special selection)

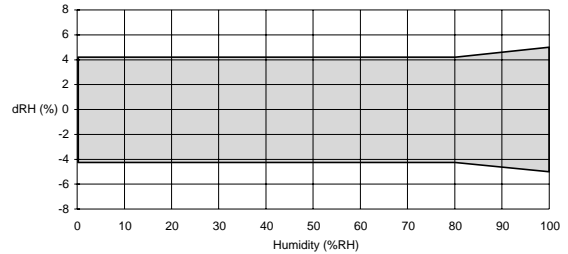
GENERAL

Output signal	0.01...1 V (equals 1...100 %RH and -19...+80 °C), $R_L > 100 \text{ kohm}$
Power supply	+5 VDC $\pm 5 \%$
Current consumption	1.0 mA typical
Operating temperature range	-20...+80 °C
Operating humidity range	0...100 %RH non-condensing
Housing material	PBTB plastic
Housing classification	IP 40
Terminals	pitch 2.54 mm (0.5 x 0.25 mm)
Can be connected to e.g. standard 4-pin SIL sockets	

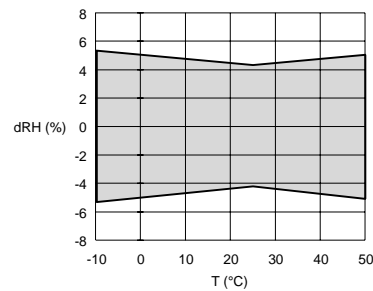
Dimensions in mm



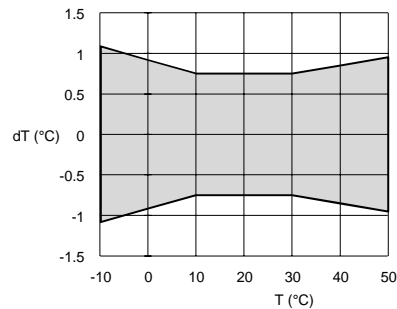
Accuracy of humidity measurement at room temperature



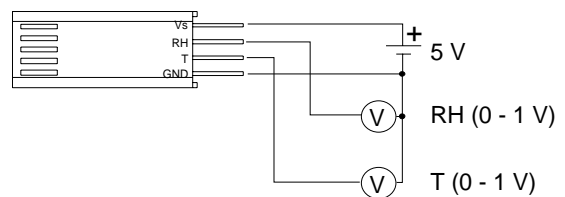
Accuracy of humidity measurement over entire temperature range



Accuracy of temperature measurement



Voltage output connections



Specifications subject to change without further notice.  
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