



Sensor	Humidity and Temperature
Measure range	0 ÷ 100 %RH
Humidity Tolerance	Typ. ± 1.5 %RH
Repeatability ¹	Low 0.25 %RH Medium 0.15 %RH High 0.10 %RH
Resolution	0.01 %RH
Hysteresis	± 0.8 %RH at 25 °C
Pressure Resolution	0.01 mbar
Long term drift	<0.25 %RH/year
Operating temperature	-40 °C ÷ +125 °C
Temperature Accuracy	Typ. ± 0.2 °C
Repeatability ¹	Low 0.24 °C Medium 0.12 °C High 0.06 °C
Temperature Resolution	0.015 °C
Long term drift	<0.03 °C/yr
Supply Voltage	Min 2.4V, Typ. 3.3V, Max 5.5V
Wi-Fi Key Features	<ul style="list-style-type: none"> • 802.11 b/g/n • 802.11 n (2.4 GHz), up to 150 Mbps • WMM • TX/RX A-MPDU, RX A-MSDU • Immediate Block ACK • Defragmentation • Automatic Beacon monitoring (hardware TSF)
Wi-Fi Radio Characteristics	<ul style="list-style-type: none"> • Input frequency: 2400 MHz • Output power of PA for 72.2 Mbps: 14 dBm • Output power of PA for 11b mode: 20 dBm
Dimensions:	
Length	2.5 mm
Width	2.5 mm
Height	0.9 mm

¹The stated repeatability is three times the standard deviation (3σ) of multiple consecutive measurements at the stated repeatability and at constant ambient conditions. It is a measure for the noise on the physical sensor output. Different measurement modes allow for high/medium/low repeatability.

DISCLAIMER: ASE S.r.l. reserves the right to make changes to any product or technology herein to improve reliability, function or design without prior notification.

MUMS is a patent system