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H25K5 resistance humidity sensor specification

Applications

Humidity detecting.
Smaller in size
Long time stability

Electric characteristics

Rated voltage	DC 10V Max
Operating temp. range	0°C ~ +60°C
Operating humidity range	30%~90%RH
Storage temp. range	-20°C ~ +85°C
Storage humidity range	90% RH Max.
Standard resistance	25KΩ at 25°C, 60% RH
Accuracy	±5%RH at 25°C, 60% RH
Hysteresis	3%RH Max. (when 40%RH change to 80%RH)

Solding request: Not over 3 seconds in the solder tank of 250±5°C and can not immersed the Lead into the solder tank over 3mm.

Sensor resistance table (unit:K Ω)

	30%RH	40%RH	50%RH	60%RH	70%RH	80%RH	90%RH
20 °C	8300	970	170	32	10.4	3.2	1.9
25 °C	7500	770	123	25	8.4	3.5	1.9
30 °C	5700	625	60	20	6	2.4	1.5