

UTCX – U2B



APPLICATIONS

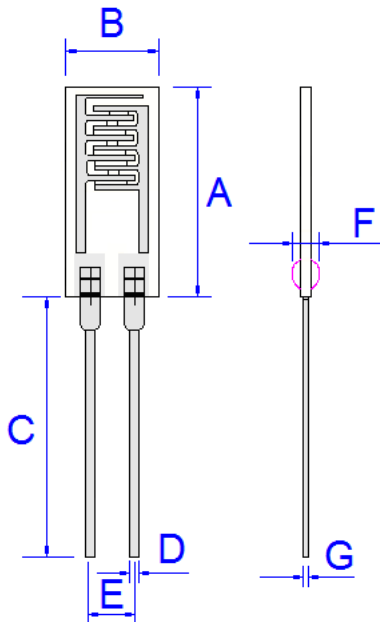
Hygrometer desk clock, weather station, gift products, air conditioner, humidifier, de-humidifier, cloths dryer etc.

MODEL NO.

UTCX – U2 B

- └─ With(A)/without(B) housing package each pieces
- └─ Dip type humidity sensor, J : $\pm 5\%$ RH
- └─ Product type

CONFIGURATION & DIMENSIONS



Units : mm

Symbol	Specification
A	10 ± 0.2
B	5 ± 0.2
C	10.5 ± 0.5
D	1.0
E	2.54
F	17 max.
G	0.5

ELECTRICAL CHARACTERISTICS

1. General Characteristics

Item	Units	Min.	Typ.	Max.
Rated voltage	VDC	-	-	1.4
Rated power	mA	-	-	0.2
Operating frequency range	kHz	0.5	1	2
Operating temperature range	°C	0	-	60
Operating humidity range	%RH	-	-	90
Impedance range at 60%RH and 25°C **	kΩ	19.8	-	50.2
Humidity accuracy	%RH	-5	-	+5
Temperature dependence(reference)	%RH/°C	-	0.6	-

** Measurement by LCR meter at 1KHz, 1 Vrms(sine wave)

2. Relative humidity - Impedance – 25°C, 1kHz, 1 Vrms(sine wave)

% RH	20	30	40	50	60	70	80	90
Normal value kΩ)	5500	1200	283	86	31	12.5	5.2	2.3

REFERENCES

Relative humidity - Impedance curve – measured at 25°C, 1kHz, 1 Vrms(sine wave)

