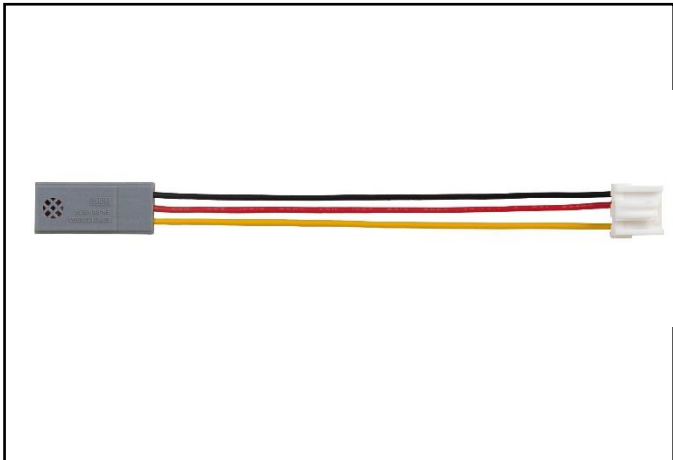


Humidity Sensor



FEATURE

- Low hysteresis and fast response
- Low power consumption, energy efficiency
- Excellent long-term reliability

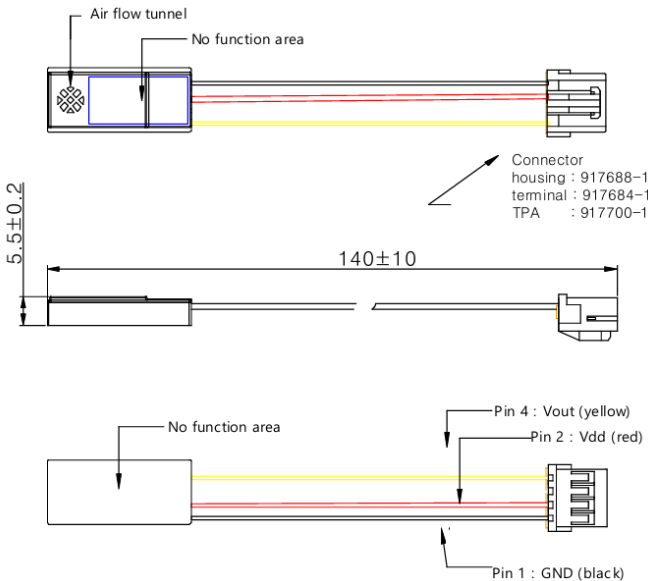
APPLICATIONS

- Refrigerators, Air conditioners, Cloth dryer, Dehumidifiers, Humidifiers, etc.

ELECTRICAL DATA

Parameter	Symbol	min	typ	max	Units
Supply Voltage	VDD	4.5	5.0	5.5	V
Power -up/ down level	VPOR	0.75	0.9	1.0	V
Supply Current	IDD		520	850	μA
Slew rate change of S/V	VDD			20	V/ms
Capacitive load	CL			100	nF
Resistive load to VSS		1			kΩ
ESD HBM	2KV				
ESD CDM	750V				
Latch up,JESD78 Class II, 125°C	± 100mA				

DIMENSION [unit:mm]



DATA Sheet _ Humidity

mV(%)				mV(%)			
RH%	Minimum	Nominal	Maximim	RH%	Minimum	Nominal	Maximim
10	1141	1237	1330	53	2351	2428	2504
11	1173	1268	1360	54	2377	2453	2530
12	1205	1299	1391	55	2402	2479	2555
13	1237	1330	1421	56	2428	2504	2581
14	1268	1360	1451	57	2453	2530	2606
15	1299	1391	1481	58	2479	2555	2632
16	1330	1421	1510	59	2504	2581	2657
17	1360	1451	1540	60	2530	2606	2682
18	1391	1481	1569	61	2555	2632	2708
19	1421	1510	1598	62	2581	2657	2733
20	1451	1540	1626	63	2606	2682	2759
21	1481	1569	1655	64	2632	2708	2785
22	1510	1598	1683	65	2657	2733	2810
23	1540	1626	1712	66	2682	2759	2836
24	1569	1655	1740	67	2708	2785	2862
25	1598	1683	1768	68	2733	2810	2887
26	1626	1712	1795	69	2759	2836	2913
27	1655	1740	1823	70	2785	2862	2939
28	1683	1768	1850	71	2810	2887	2965
29	1712	1795	1878	72	2836	2913	2991
30	1740	1823	1905	73	2862	2939	3017
31	1768	1850	1932	74	2887	2965	3044
32	1795	1878	1959	75	2913	2991	3070
33	1823	1905	1986	76	2939	3017	3096
34	1850	1932	2012	77	2965	3044	3123
35	1878	1959	2039	78	2991	3070	3150
36	1905	1986	2065	79	3017	3096	3176
37	1932	2012	2092	80	3044	3123	3203
38	1959	2039	2118	81	3070	3150	3230
39	1986	2065	2144	82	3096	3176	3257
40	2012	2092	2170	83	3123	3203	3285
41	2039	2118	2196	84	3150	3230	3312
42	2065	2144	2222	85	3176	3257	3340
43	2092	2170	2248	86	3203	3285	3367
44	2118	2196	2274	87	3230	3312	3395
45	2144	2222	2300	88	3257	3340	3423
46	2170	2248	2325	89	3285	3367	3451
47	2196	2274	2351	90	3312	3395	3480
48	2222	2300	2377	91	3332	3423	3516
49	2248	2325	2402	92	3352	3451	3553
50	2274	2351	2428	93	3372	3480	3590
51	2300	2377	2453	94	3392	3508	3627
52	2325	2402	2479	95	3412	3537	3665

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