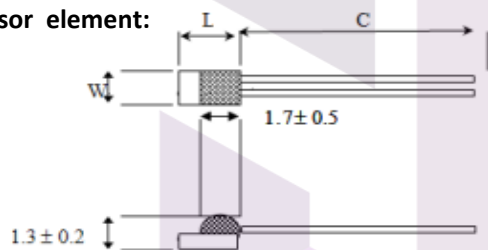


Thermistor PT 1000 Ω

ITEM NO. :	TW-TF-26-RW-P3-XXX
● TEMP.RANGE :	-60°C ~ +200°C
● RESISTANCE(0°C) :	1000 OHM
● TCR/TOLERANCE :	DIN EN 60751, CLASS B
● PACKAGE :	GLASS COAT
CABLE	
● COLOR :	Red / White
● LENGTH :	1000 mm, other length can be customized
● COAT :	TEFLON
● SHRINK TUBE :	125°C

Sensor element:



Leads : Pt-/Ni = 0.2mm±0.05mm dia

UNIT :MM

DIMENSION			TCR (ALPHA) PPM/°C	TOLERANCE OHM AT 0°C	MAX. DEVIATION OF NOMINAL CHARACTERISTIC.	SELF-HEATING COEFF. AIR, 1m/SEC.
L	W	C	3850	± 0.12%	0.3°C + 0.005 x t (°C)	0.25°C/ mW
± 0.1	± 0.3	± 2				
2.3	1.9	8				



Table of values

The R-T dependency is given by polynomial: $R_T = R_0 (1 + 3,90802 \cdot 10^{-3} \cdot T + 5,802 \cdot 10^{-7} \cdot T^2)$ [Ω]



°C	0	-1	-2	-3	-4	-5	-6	-7	-8	-9
-50	80.31									
-40	84.27	83.88	83.48	83.08	82.69	82.29	81.89	81.50	81.10	80.70
-30	88.22	87.83	87.43	87.04	86.64	86.25	85.85	85.46	85.06	84.67
-20	92.16	91.77	91.37	90.98	90.59	90.19	89.80	89.40	89.01	88.62
-10	96.09	95.69	95.30	94.91	94.52	94.12	93.73	93.34	92.95	92.55
0	100.00	99.61	99.22	98.83	98.44	98.04	97.65	97.26	96.87	96.48
°C	0	1	2	3	4	5	6	7	8	9
0	100.00	100.39	100.78	101.17	101.56	101.95	102.34	102.73	103.12	103.51
10	103.90	104.29	104.68	105.07	105.46	105.85	106.24	106.63	107.02	107.40
20	107.79	108.18	108.57	108.96	109.35	109.73	110.12	110.51	110.90	111.28
30	111.67	112.06	112.45	112.83	113.22	113.61	113.99	114.38	114.77	115.15
40	115.54	115.93	116.31	116.70	117.08	117.47	117.85	118.24	118.62	119.01
50	119.40	119.78	120.16	120.55	120.93	121.32	121.70	122.09	122.47	122.86
60	123.24	123.62	124.01	124.39	124.77	125.16	125.54	125.92	126.31	126.69
70	127.07	127.45	127.84	128.22	128.60	128.98	129.37	129.75	130.13	130.51
80	130.89	131.27	131.66	132.04	132.42	132.80	133.18	133.56	133.94	134.32
90	134.70	135.08	135.46	135.84	136.22	136.60	136.98	137.36	137.74	138.12
100	138.50	138.88	139.26	139.64	140.02	140.39	140.77	141.15	141.53	141.91
110	142.29	142.66	143.04	143.42	143.80	144.17	144.55	144.93	145.31	145.68
120	146.06	146.44	146.81	147.19	147.57	147.94	148.32	148.70	149.07	149.45
130	149.82	150.20	150.57	150.95	151.33	151.70	152.08	152.45	152.83	153.20
140	153.58	153.95	154.32	154.70	155.07	155.45	155.82	156.19	156.57	156.94
150	157.31	157.69	158.06	158.43	158.81	159.18	159.55	159.93	160.30	160.67
160	161.04	161.42	161.79	162.16	162.53	162.90	163.27	163.65	164.02	164.39
170	164.76	165.13	165.50	165.87	166.24	166.61	166.98	167.35	167.72	168.09
180	168.46	168.83	169.20	169.57	169.94	170.31	170.68	171.05	171.42	171.79
190	172.16	172.53	172.90	173.26	173.63	174.00	174.37	174.74	175.10	175.47
200	175.84	176.21	176.57	176.94	177.31	177.68	178.04	178.41	178.78	179.14
210	179.51	179.88	180.24	180.61	180.97	181.34	181.71	182.07	182.44	182.80
220	183.17	183.53	183.90	184.26	184.63	184.99	185.36	185.72	186.09	186.45
230	186.82	187.18	187.54	187.91	188.27	188.63	189.00	189.36	189.72	190.09
240	190.45	190.81	191.18	191.54	191.90	192.26	192.63	192.99	193.35	193.71
250	194.07	194.44	194.80	195.16	195.52	195.88	196.24	196.60	196.96	197.33
260	197.69	198.05	198.41	198.77	199.13	199.49	199.85	200.21	200.57	200.93
270	201.29	201.65	202.01	202.36	202.72	203.08	203.44	203.80	204.16	204.52
280	204.88	205.23	205.59	205.95	206.31	206.67	207.02	207.38	207.74	208.10
290	208.45	208.81	209.17	209.52	209.88	210.24	210.59	210.95	211.31	211.66
300	212.02	212.37	212.73	213.09	213.44	213.80	214.15	214.51	214.86	215.22
310	215.57	215.93	216.28	216.64	216.99	217.35	217.70	218.05	218.41	218.76
320	219.12	219.47	219.82	220.18	220.53	220.88	221.24	221.59	221.94	222.29
330	222.65	223.00	223.35	223.70	224.06	224.41	224.76	225.11	225.46	225.81
340	226.17	226.52	226.87	227.22	227.57	227.92	228.27	228.62	228.97	229.32
350	229.67	230.02	230.37	230.72	231.07	231.42	231.77	232.12	232.47	232.82
360	233.17	233.52	233.87	234.22	234.56	234.91	235.26	235.61	235.96	236.31
370	236.65	237.00	237.35	237.70	238.04	238.39	238.74	239.09	239.43	239.78
380	240.13	240.47	240.82	241.17	241.51	241.86	242.20	242.55	242.90	243.24
390	243.59	243.93	244.28	244.62	244.97	245.31	245.66	246.00	246.35	246.69
400	247.04	247.38	247.73	248.07	248.41	248.76	249.10	249.45	249.79	250.13
410	250.48	250.82	251.16	251.50	251.85	252.19	252.53	252.88	253.22	253.56
420	253.90	254.24	254.59	254.93	255.27	255.61	255.95	256.29	256.64	256.98
430	257.32	257.66	258.00	258.34	258.68	259.02	259.36	259.70	260.04	260.38
440	260.72	261.06	261.40	261.74	262.08	262.42	262.76	263.10	263.43	263.77
450	264.11	264.45	264.79	265.13	265.47	265.80	266.14	266.48	266.82	267.15
460	267.49	267.83	268.17	268.50	268.84	269.18	269.51	269.85	270.19	270.52
470	270.86	271.20	271.53	271.87	272.20	272.54	272.88	273.21	273.55	273.88
480	274.22	274.55	274.89	275.22	275.56	275.89	276.23	276.56	276.89	277.23
490	277.56	277.90	278.23	278.56	278.90	279.23	279.56	279.90	280.23	280.56
500	280.90									

Tolerances of Pt 1000

