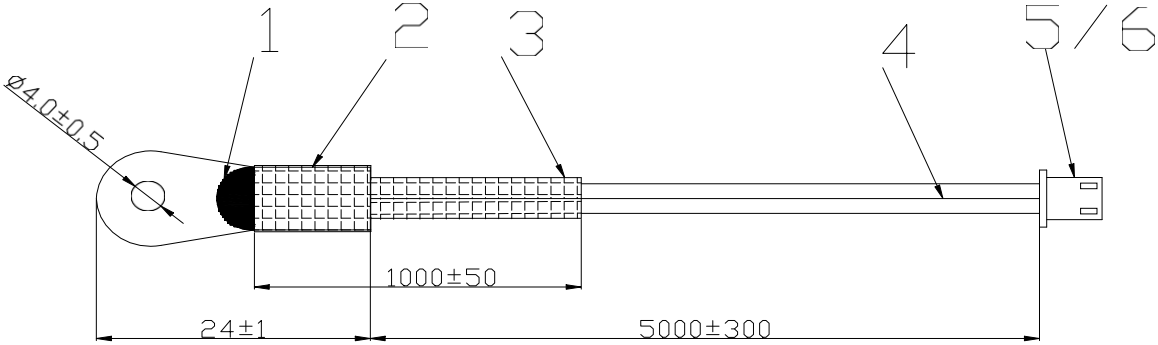


Out-looking	KKK-GC-V2.0	
	Ver:	V 2.5
	unit:	MM



Specification	KKK-GC-V2.0			
	Ver:	V 2.5		
	Unit:	MM		
CWF45KF3270 12345 1 NTC Temp sensor 2 Dimensions of the Ends of Sensor 1) Packed with ethoxyline resin 2) Packed with shell of aluminium ,copper,stainles,steel and so on 3) Packed with plastic 4) Fixed sheet metal added 5) Special packed shape ❖ The Rated Resistance $R_{25}=5K \pm 1\%$ 3 F: $\pm 1\%$ G: $\pm 2\%$ H: $\pm 3\%$ J: $\pm 5\%$ (The Precision Symbol of Rated Resistance. F: $\pm 1\%$ G: $\pm 2\%$ H: $\pm 3\%$ J: $\pm 5\%$) 4 B value ($_{25/50}^{\circ}C$) is3270K。				

Technical parameters	KKK-GC-V2.0	
	Ver:	V 2.5
	Unit:	MM
1 Rate zero-resistance value: $R_{25}=5K\ \Omega \pm 1\%$; ❖ value:$B_{25/50}=3270K\pm 1\%$ 2 Insulation resistance :$100M\ \Omega$ Min,$500VDC$ in air 3 Dissipation constant(δ): $\geq 2.0mW/^{\circ}C$ over in air 4 Thermal time constant (τ): $\leq 15\ S$ over in air. 5 Operation temperature range:$-30^{\circ}C$ -$+120^{\circ}C$; 6 Maximum Power Rating ($K\ \Omega$) : $T_a=25\pm 0.05^{\circ}C$ The air testing for Max=$250\ mW/4mA$ 7 Puncture voltage: no flash and breakdown.$1200VAC$, $60S$,between coating and line ,in air .		

Reliability tests	KKK-GC-V2.0	
	Ver:	V 2.5
	Unit:	MM
1 Hot temperature storage Store in hot still air at 100℃+5℃ for 1000hrs.$\Delta R/R \leq 3\%$,$\Delta B/B \leq 1\%$; and test $\Delta R/R \leq 3\%$,$\Delta B/B \leq 1\%$;		
2 Low temperature storage Store in dry still air at -50℃-±5℃ for 1000hrs,$\Delta R/R \leq 3\%$,$\Delta B/B \leq 1\%$;And test $\Delta R/R \leq 3\%$,$\Delta B/B \leq 1\%$;		
3 Thermal shock test After 1000cycles of-30℃±5℃ dry air(5mins) room ambient temperature(1mins) 100℃±5℃ dry air (5mins) room ambient temperature(1mins).and test $\Delta R/R \leq 3\%$, $\Delta B/B \leq 1\%$		
4 High humidity and High temperature storage Store in95%RH, 70℃air conditions for 1000hrs and test $\Delta R/R \leq 3\%$, $\Delta B/B \leq 1\%$		

Mechanical characteristics	KKK-GC-V2.0	
	Ver:	V 2.5
	Unit:	MM
1 Eduction strength Pull 15N static weight in the direction of line .test sample should be no break and damage after one minute. 2 Free fall After three times natural fall to a maple board from 1m high, there should be no visible damage.		

R-T						KKK-GC-V2.0	
						Ver:	V 2.5
						Unit:	MM
-55	226.226	237.505	249.323	4.975	-4.749	0.754	-0.720
-54	211.885	222.302	233.209	4.906	-4.686	0.750	-0.717
-53	198.598	208.226	218.299	4.837	-4.623	0.747	-0.714
-52	186.277	195.182	204.491	4.769	-4.562	0.743	-0.711
-51	174.842	183.082	191.692	4.702	-4.501	0.739	-0.707
-50	164.219	171.850	179.818	4.636	-4.440	0.735	-0.704
-49	154.343	161.414	168.793	4.570	-4.380	0.731	-0.701
-48	145.154	151.710	158.547	4.506	-4.321	0.727	-0.698
-47	136.598	142.680	149.018	4.442	-4.262	0.723	-0.694
-46	128.624	134.269	140.148	4.378	-4.204	0.719	-0.691
-45	121.188	126.431	131.887	4.315	-4.146	0.715	-0.687
-44	114.248	119.119	124.186	4.253	-4.089	0.711	-0.684
-43	107.766	112.295	117.003	4.192	-4.033	0.707	-0.680
-42	101.708	105.921	110.297	4.131	-3.977	0.702	-0.676
-41	96.043	99.963	104.033	4.071	-3.921	0.698	-0.672
-40	90.741	94.391	98.177	4.011	-3.866	0.693	-0.668
-39	85.777	89.176	92.700	3.952	-3.811	0.689	-0.664
-38	81.124	84.292	87.574	3.893	-3.757	0.684	-0.660
-37	76.763	79.715	82.773	3.835	-3.703	0.680	-0.656
-36	72.670	75.424	78.273	3.778	-3.650	0.675	-0.652
-35	68.829	71.398	74.055	3.721	-3.597	0.670	-0.648
-34	65.221	67.618	70.096	3.665	-3.545	0.665	-0.644
-33	61.830	64.068	66.380	3.609	-3.493	0.661	-0.639
-32	58.642	60.732	62.890	3.553	-3.441	0.656	-0.635
-31	55.642	57.594	59.610	3.498	-3.390	0.651	-0.630
-30	52.818	54.643	56.525	3.444	-3.339	0.646	-0.626
-29	50.159	51.865	53.623	3.390	-3.288	0.640	-0.621
-28	47.653	49.248	50.892	3.336	-3.238	0.635	-0.617
-27	45.291	46.783	48.319	3.283	-3.189	0.630	-0.612
-26	43.063	44.459	45.895	3.231	-3.139	0.625	-0.607
-25	40.960	42.267	43.611	3.179	-3.090	0.619	-0.602
-24	38.976	40.199	41.456	3.127	-3.042	0.614	-0.597
-23	37.101	38.246	39.422	3.076	-2.993	0.608	-0.592
-22	35.330	36.402	37.503	3.025	-2.945	0.603	-0.587
-21	33.655	34.659	35.690	2.974	-2.898	0.597	-0.582
-20	32.071	33.012	33.978	2.924	-2.851	0.591	-0.577
-19	30.573	31.455	32.359	2.874	-2.804	0.586	-0.571
-18	29.154	29.981	30.828	2.825	-2.757	0.580	-0.566
-17	27.811	28.586	29.380	2.776	-2.711	0.574	-0.561

R-T						KKK-GC-V2.0	
						Ver:	V 2.5
						Unit:	MM
-16	26.539	27.266	28.009	2.727	-2.665	0.568	-0.555
-15	25.333	26.015	26.712	2.679	-2.619	0.562	-0.550
-14	24.190	24.829	25.483	2.631	-2.573	0.556	-0.544
-13	23.106	23.706	24.318	2.584	-2.528	0.550	-0.538
-12	22.078	22.640	23.215	2.536	-2.483	0.544	-0.533
-11	21.102	21.629	22.168	2.490	-2.439	0.538	-0.527
-10	20.175	20.670	21.175	2.443	-2.395	0.531	-0.521
-9	19.295	19.759	20.233	2.397	-2.351	0.525	-0.515
-8	18.458	18.894	19.339	2.351	-2.307	0.519	-0.509
-7	17.664	18.073	18.490	2.306	-2.264	0.512	-0.503
-6	16.908	17.292	17.683	2.261	-2.220	0.506	-0.497
-5	16.189	16.550	16.916	2.216	-2.177	0.499	-0.490
-4	15.505	15.844	16.188	2.171	-2.135	0.492	-0.484
-3	14.855	15.172	15.495	2.127	-2.092	0.486	-0.478
-2	14.235	14.533	14.836	2.083	-2.050	0.479	-0.471
-1	13.645	13.925	14.209	2.039	-2.008	0.472	-0.465
0	13.083	13.346	13.612	1.996	-1.967	0.465	-0.458
1	12.548	12.794	13.044	1.953	-1.925	0.458	-0.452
2	12.037	12.269	12.503	1.910	-1.884	0.451	-0.445
3	11.551	11.768	11.988	1.868	-1.843	0.444	-0.438
4	11.087	11.290	11.496	1.826	-1.803	0.437	-0.432
5	10.644	10.835	11.028	1.784	-1.762	0.430	-0.425
6	10.221	10.401	10.582	1.742	-1.722	0.423	-0.418
7	9.818	9.986	10.156	1.701	-1.682	0.415	-0.411
8	9.433	9.591	9.750	1.660	-1.642	0.408	-0.404
9	9.065	9.213	9.362	1.619	-1.603	0.401	-0.397
10	8.722	8.861	9.001	1.579	-1.564	0.393	-0.389
11	8.378	8.508	8.639	1.538	-1.524	0.386	-0.382
12	8.057	8.179	8.301	1.498	-1.486	0.378	-0.375
13	7.751	7.864	7.979	1.458	-1.447	0.370	-0.368
14	7.457	7.564	7.671	1.419	-1.409	0.363	-0.360
15	7.177	7.276	7.377	1.379	-1.370	0.355	-0.353
16	6.908	7.001	7.095	1.340	-1.332	0.347	-0.345
17	6.651	6.738	6.826	1.301	-1.295	0.339	-0.337
18	6.405	6.487	6.569	1.263	-1.257	0.331	-0.330
19	6.169	6.246	6.322	1.225	-1.220	0.323	-0.322
20	5.944	6.015	6.086	1.186	-1.182	0.315	-0.314
21	5.728	5.794	5.861	1.149	-1.145	0.307	-0.306
22	5.521	5.583	5.645	1.111	-1.109	0.299	-0.298
23	5.322	5.380	5.438	1.074	-1.072	0.291	-0.290

R-T						KKK-GC-V2.0	
						Ver:	V 2.5
						Unit:	MM
63	1.400	1.432	1.465	2.270	-2.229	0.778	-0.764
64	1.359	1.391	1.423	2.300	-2.258	0.793	-0.778
65	1.319	1.350	1.382	2.330	-2.287	0.807	-0.792
66	1.281	1.311	1.342	2.360	-2.315	0.822	-0.807
67	1.244	1.274	1.304	2.390	-2.344	0.837	-0.821
68	1.208	1.237	1.267	2.419	-2.372	0.852	-0.836
69	1.173	1.202	1.232	2.449	-2.400	0.867	-0.850
70	1.140	1.168	1.197	2.478	-2.428	0.883	-0.865
71	1.107	1.135	1.164	2.508	-2.456	0.898	-0.880
72	1.076	1.103	1.131	2.537	-2.484	0.913	-0.894
73	1.046	1.073	1.100	2.566	-2.511	0.929	-0.909
74	1.017	1.043	1.070	2.594	-2.539	0.944	-0.924
75	0.988	1.014	1.041	2.623	-2.566	0.960	-0.939
76	0.961	0.986	1.013	2.652	-2.593	0.976	-0.954
77	0.934	0.959	0.985	2.680	-2.620	0.991	-0.969
78	0.909	0.933	0.959	2.708	-2.647	1.007	-0.984
79	0.884	0.908	0.933	2.736	-2.673	1.023	-1.000
80	0.860	0.884	0.908	2.764	-2.700	1.039	-1.015
81	0.837	0.860	0.884	2.792	-2.726	1.055	-1.030
82	0.814	0.837	0.861	2.820	-2.752	1.071	-1.046
83	0.792	0.815	0.838	2.848	-2.779	1.088	-1.061
84	0.771	0.794	0.816	2.875	-2.804	1.104	-1.077
85	0.751	0.773	0.795	2.902	-2.830	1.120	-1.093
86	0.731	0.753	0.775	2.930	-2.856	1.137	-1.108
87	0.712	0.733	0.755	2.957	-2.881	1.153	-1.124
88	0.693	0.714	0.735	2.984	-2.907	1.170	-1.140
89	0.675	0.696	0.717	3.010	-2.932	1.187	-1.156
90	0.658	0.678	0.699	3.037	-2.957	1.204	-1.172
91	0.641	0.661	0.681	3.064	-2.982	1.220	-1.188
92	0.625	0.644	0.664	3.090	-3.007	1.237	-1.204
93	0.609	0.628	0.647	3.116	-3.032	1.254	-1.220
94	0.593	0.612	0.631	3.143	-3.057	1.271	-1.237
95	0.578	0.597	0.616	3.169	-3.081	1.289	-1.253
96	0.564	0.582	0.600	3.195	-3.105	1.306	-1.269
97	0.550	0.567	0.586	3.220	-3.130	1.323	-1.286
98	0.536	0.553	0.571	3.246	-3.154	1.341	-1.302
99	0.523	0.540	0.558	3.272	-3.178	1.358	-1.319
100	0.510	0.527	0.544	3.297	-3.202	1.376	-1.336
101	0.497	0.514	0.531	3.323	-3.225	1.393	-1.352
102	0.485	0.502	0.518	3.348	-3.249	1.411	-1.369