

深圳市晶峰达电子科技有限公司

电话：0755-29206918, 13798528768

传真：0755-81703081

型号:	0	R :	10.000	Kohms ±	1%
		B :	3470	°K ±	1%

网址：www.jfd-ic.com

温度 (°C)	阻值 (Ω)			温度系数 (%/°C)	阻值精度偏差(%)		测温精度偏差(°C)	
	上限值	中心值	下限值		最小	最大	最小	最大
-55.0	677157.3024	713822.5680	752397.8587	-7.29	-5.14	5.40	-0.74	0.70
-54.0	630206.0194	663847.0547	699213.9541	-7.23	-5.07	5.33	-0.74	0.70
-53.0	586893.1419	617777.6064	650222.2957	-7.16	-5.00	5.25	-0.73	0.70
-52.0	546909.1424	575279.3386	605060.6896	-7.10	-4.93	5.18	-0.73	0.70
-51.0	509973.0385	536048.4718	563400.8225	-7.03	-4.86	5.10	-0.73	0.69
-50.0	475829.5669	499809.2308	524944.8619	-6.97	-4.80	5.03	-0.72	0.69
-49.0	444246.6541	466311.0729	489422.4190	-6.91	-4.73	4.96	-0.72	0.69
-48.0	415013.1530	435326.2087	456587.8352	-6.85	-4.67	4.88	-0.71	0.68
-47.0	387936.8154	406647.3828	426217.7529	-6.78	-4.60	4.81	-0.71	0.68
-46.0	362842.4732	380085.8846	398108.9420	-6.73	-4.54	4.74	-0.71	0.67
-45.0	339570.4071	355469.7652	372076.3514	-6.67	-4.47	4.67	-0.70	0.67
-44.0	317974.8811	332642.2372	347951.3618	-6.61	-4.41	4.60	-0.70	0.67
-43.0	297922.8255	311460.2369	325580.2179	-6.55	-4.35	4.53	-0.69	0.66
-42.0	279292.6524	291793.1326	304822.6195	-6.49	-4.28	4.47	-0.69	0.66
-41.0	261973.1894	273521.5624	285550.4560	-6.44	-4.22	4.40	-0.68	0.66
-40.0	245862.7191	256536.3880	267646.6668	-6.38	-4.16	4.33	-0.68	0.65
-39.0	230868.1132	240737.7522	251004.2164	-6.33	-4.10	4.26	-0.67	0.65
-38.0	216904.0511	226034.2292	235525.1705	-6.28	-4.04	4.20	-0.67	0.64
-37.0	203892.3150	212342.0582	221119.8630	-6.22	-3.98	4.13	-0.66	0.64
-36.0	191761.1525	199584.4509	207706.1445	-6.17	-3.92	4.07	-0.66	0.64
-35.0	180444.7005	187690.9666	195208.7041	-6.12	-3.86	4.01	-0.65	0.63
-34.0	169882.4643	176596.9463	183558.4557	-6.07	-3.80	3.94	-0.65	0.63
-33.0	160018.8456	166243.0017	172691.9842	-6.02	-3.74	3.88	-0.64	0.62
-32.0	150802.7148	156574.5517	162551.0438	-5.97	-3.69	3.82	-0.64	0.62
-31.0	142187.0237	147541.4027	153082.1034	-5.92	-3.63	3.76	-0.63	0.61
-30.0	134128.4541	139097.3684	144235.9358	-5.87	-3.57	3.69	-0.63	0.61
-29.0	126587.0981	131199.9246	135967.2441	-5.82	-3.52	3.63	-0.62	0.60
-28.0	119526.1686	123809.8957	128234.3235	-5.77	-3.46	3.57	-0.62	0.60
-27.0	112911.7357	116891.1701	120998.7536	-5.73	-3.40	3.51	-0.61	0.59
-26.0	106712.4868	110410.4417	114225.1199	-5.68	-3.35	3.45	-0.61	0.59
-25.0	100899.5086	104336.9744	107880.7594	-5.64	-3.29	3.40	-0.60	0.58
-24.0	95446.0885	98642.3877	101935.5301	-5.59	-3.24	3.34	-0.60	0.58

-23.0	90327.5333	93300.4619	96361.6007	-5.55	-3.19	3.28	-0.59	0.57
-22.0	85521.0044	88286.9602	91133.2594	-5.50	-3.13	3.22	-0.59	0.57
-21.0	81005.3671	83579.4667	86226.7397	-5.46	-3.08	3.17	-0.58	0.56
-20.0	76761.0528	79157.2384	81620.0609	-5.41	-3.03	3.11	-0.57	0.56
-19.0	72769.9339	75001.0702	77292.8834	-5.37	-2.97	3.06	-0.57	0.55
-18.0	69015.2087	71093.1717	73226.3762	-5.33	-2.92	3.00	-0.56	0.55
-17.0	65481.2964	67417.0542	69403.0959	-5.29	-2.87	2.95	-0.56	0.54
-16.0	62153.7412	63957.4280	65806.8759	-5.25	-2.82	2.89	-0.55	0.54
-15.0	59019.1242	60700.1075	62422.7258	-5.21	-2.77	2.84	-0.55	0.53
-14.0	56064.9828	57631.9256	59236.7380	-5.17	-2.72	2.78	-0.54	0.53
-13.0	53279.7373	54740.6537	56236.0040	-5.13	-2.67	2.73	-0.53	0.52
-12.0	50652.6223	52014.9301	53408.5360	-5.09	-2.62	2.68	-0.53	0.51
-11.0	48173.6254	49444.1927	50743.1959	-5.05	-2.57	2.63	-0.52	0.51
-10.0	45833.4299	47018.6183	48229.6305	-5.01	-2.52	2.58	-0.51	0.50
-9.0	43623.3620	44729.0667	45858.2110	-4.97	-2.47	2.52	-0.51	0.50
-8.0	41535.3431	42567.0291	43619.9786	-4.94	-2.42	2.47	-0.50	0.49
-7.0	39561.8454	40524.5809	41506.5935	-4.90	-2.38	2.42	-0.49	0.48
-6.0	37695.8511	38594.3379	39510.2888	-4.86	-2.33	2.37	-0.49	0.48
-5.0	35930.8149	36769.4167	37623.8281	-4.83	-2.28	2.32	-0.48	0.47
-4.0	34260.6295	35043.3976	35840.4655	-4.79	-2.23	2.27	-0.47	0.47
-3.0	32679.5937	33410.2909	34153.9103	-4.75	-2.19	2.23	-0.47	0.46
-2.0	31182.3832	31864.5054	32558.2930	-4.72	-2.14	2.18	-0.46	0.45
-1.0	29764.0235	30400.8199	31048.1354	-4.69	-2.09	2.13	-0.45	0.45
0.0	28419.8646	29014.3563	29618.3215	-4.65	-2.05	2.08	-0.45	0.44
1.0	27145.5587	27700.5553	28264.0722	-4.62	-2.00	2.03	-0.44	0.43
2.0	25937.0383	26455.1538	26980.9208	-4.58	-1.96	1.99	-0.43	0.43
3.0	24790.4964	25274.1639	25764.6910	-4.55	-1.91	1.94	-0.43	0.42
4.0	23702.3692	24153.8535	24611.4764	-4.52	-1.87	1.89	-0.42	0.41
5.0	22669.3182	23090.7288	23517.6212	-4.49	-1.83	1.85	-0.41	0.41
6.0	21688.2153	22081.5173	22479.7033	-4.45	-1.78	1.80	-0.40	0.40
7.0	20756.1284	21123.1529	21494.5176	-4.42	-1.74	1.76	-0.40	0.39
8.0	19870.3077	20212.7616	20559.0614	-4.39	-1.69	1.71	-0.39	0.39
9.0	19028.1735	19347.6485	19670.5202	-4.36	-1.65	1.67	-0.38	0.38
10.0	18227.3048	18525.2856	18826.2549	-4.33	-1.61	1.62	-0.38	0.37
11.0	17465.4289	17743.3003	18023.7901	-4.30	-1.57	1.58	-0.37	0.36
12.0	16740.4108	16999.4656	17260.8030	-4.27	-1.52	1.54	-0.36	0.36
13.0	16050.2449	16291.6897	16535.1129	-4.24	-1.48	1.49	-0.35	0.35
14.0	15393.0459	15618.0075	15844.6721	-4.21	-1.44	1.45	-0.34	0.34
15.0	14767.0414	14976.5722	15187.5570	-4.18	-1.40	1.41	-0.34	0.33
16.0	14170.5641	14365.6472	14561.9596	-4.15	-1.36	1.37	-0.33	0.33
17.0	13602.0452	13783.5995	13966.1804	-4.12	-1.32	1.32	-0.32	0.32
18.0	13060.0081	13228.8924	13398.6207	-4.09	-1.28	1.28	-0.31	0.31

19.0	12543.0623	12700.0798	12857.7769	-4.07	-1.24	1.24	-0.31	0.30
20.0	12049.8982	12195.7997	12342.2336	-4.04	-1.20	1.20	-0.30	0.30
21.0	11579.2817	11714.7699	11850.6582	-4.01	-1.16	1.16	-0.29	0.29
22.0	11130.0496	11255.7817	11381.7959	-3.98	-1.12	1.12	-0.28	0.28
23.0	10701.1053	10817.6964	10934.4643	-3.96	-1.08	1.08	-0.27	0.27
24.0	10291.4141	10399.4401	10507.5492	-3.93	-1.04	1.04	-0.26	0.26
25.0	9900.0000	10000.0000	10100.0000	-3.90	-1.00	1.00	-0.26	0.26
26.0	9518.5325	9618.4206	9718.3850	-3.88	-1.04	1.04	-0.27	0.27
27.0	9154.1602	9253.8001	9353.5891	-3.85	-1.08	1.08	-0.28	0.28
28.0	8806.0186	8905.2871	9004.7741	-3.83	-1.11	1.12	-0.29	0.29
29.0	8473.2916	8572.0777	8671.1482	-3.80	-1.15	1.16	-0.30	0.30
30.0	8155.2084	8253.4121	8351.9632	-3.78	-1.19	1.19	-0.32	0.32
31.0	7851.0409	7948.5728	8046.5115	-3.75	-1.23	1.23	-0.33	0.33
32.0	7560.1013	7656.8810	7754.1242	-3.73	-1.26	1.27	-0.34	0.34
33.0	7281.7392	7377.6954	7474.1685	-3.70	-1.30	1.31	-0.35	0.35
34.0	7015.3399	7110.4089	7206.0456	-3.68	-1.34	1.35	-0.37	0.36
35.0	6760.3218	6854.4474	6949.1886	-3.65	-1.37	1.38	-0.38	0.38
36.0	6516.1347	6609.2675	6703.0609	-3.63	-1.41	1.42	-0.39	0.39
37.0	6282.2581	6374.3545	6467.1544	-3.61	-1.44	1.46	-0.40	0.40
38.0	6058.1989	6149.2214	6240.9873	-3.58	-1.48	1.49	-0.42	0.41
39.0	5843.4904	5933.4064	6024.1036	-3.56	-1.52	1.53	-0.43	0.43
40.0	5637.6905	5726.4723	5816.0705	-3.54	-1.55	1.56	-0.44	0.44
41.0	5440.3803	5528.0044	5616.4781	-3.52	-1.59	1.60	-0.46	0.45
42.0	5251.1627	5337.6097	5424.9372	-3.49	-1.62	1.64	-0.47	0.46
43.0	5069.6613	5154.9153	5241.0789	-3.47	-1.65	1.67	-0.48	0.48
44.0	4895.5191	4979.5677	5064.5528	-3.45	-1.69	1.71	-0.49	0.49
45.0	4728.3976	4811.2313	4895.0265	-3.43	-1.72	1.74	-0.51	0.50
46.0	4567.9754	4649.5874	4732.1843	-3.41	-1.76	1.78	-0.52	0.52
47.0	4413.9476	4494.3338	4575.7263	-3.39	-1.79	1.81	-0.53	0.53
48.0	4266.0246	4345.1830	4425.3678	-3.36	-1.82	1.85	-0.55	0.54
49.0	4123.9315	4201.8624	4280.8379	-3.34	-1.85	1.88	-0.56	0.55
50.0	3987.4071	4064.1126	4141.8794	-3.32	-1.89	1.91	-0.58	0.57
51.0	3856.2034	3931.6871	4008.2475	-3.30	-1.92	1.95	-0.59	0.58
52.0	3730.0844	3804.3517	3879.7097	-3.28	-1.95	1.98	-0.60	0.59
53.0	3608.8261	3681.8836	3756.0445	-3.26	-1.98	2.01	-0.62	0.61
54.0	3492.2151	3564.0708	3637.0413	-3.24	-2.02	2.05	-0.63	0.62
55.0	3380.0487	3450.7117	3522.4997	-3.22	-2.05	2.08	-0.65	0.64
56.0	3272.1340	3341.6143	3412.2287	-3.20	-2.08	2.11	-0.66	0.65
57.0	3168.2873	3236.5959	3306.0466	-3.18	-2.11	2.15	-0.67	0.66
58.0	3068.3341	3135.4827	3203.7804	-3.16	-2.14	2.18	-0.69	0.68
59.0	2972.1078	3038.1088	3105.2650	-3.15	-2.17	2.21	-0.70	0.69
60.0	2879.4500	2944.3165	3010.3433	-3.13	-2.20	2.24	-0.72	0.70

61.0	2790.2097	2853.9554	2918.8655	-3.11	-2.23	2.27	-0.73	0.72
62.0	2704.2433	2766.8821	2830.6888	-3.09	-2.26	2.31	-0.75	0.73
63.0	2621.4134	2682.9599	2745.6768	-3.07	-2.29	2.34	-0.76	0.75
64.0	2541.5897	2602.0586	2663.6998	-3.05	-2.32	2.37	-0.78	0.76
65.0	2464.6473	2524.0537	2584.6336	-3.03	-2.35	2.40	-0.79	0.78
66.0	2390.4675	2448.8268	2508.3600	-3.02	-2.38	2.43	-0.81	0.79
67.0	2318.9371	2376.2647	2434.7661	-3.00	-2.41	2.46	-0.82	0.80
68.0	2249.9477	2306.2594	2363.7440	-2.98	-2.44	2.49	-0.84	0.82
69.0	2183.3962	2238.7077	2295.1907	-2.96	-2.47	2.52	-0.85	0.83
70.0	2119.1841	2173.5111	2229.0080	-2.95	-2.50	2.55	-0.87	0.85
71.0	2057.2172	2110.5758	2165.1018	-2.93	-2.53	2.58	-0.88	0.86
72.0	1997.4058	2049.8117	2103.3823	-2.91	-2.56	2.61	-0.90	0.88
73.0	1939.6640	1991.1331	2043.7637	-2.90	-2.58	2.64	-0.91	0.89
74.0	1883.9097	1934.4580	1986.1639	-2.88	-2.61	2.67	-0.93	0.91
75.0	1830.0647	1879.7078	1930.5045	-2.86	-2.64	2.70	-0.94	0.92
76.0	1778.0539	1826.8076	1876.7103	-2.85	-2.67	2.73	-0.96	0.94
77.0	1727.8058	1775.6856	1824.7098	-2.83	-2.70	2.76	-0.98	0.95
78.0	1679.2519	1726.2733	1774.4340	-2.81	-2.72	2.79	-0.99	0.97
79.0	1632.3267	1678.5051	1725.8173	-2.80	-2.75	2.82	-1.01	0.98
80.0	1586.9674	1632.3180	1678.7967	-2.78	-2.78	2.85	-1.02	1.00
81.0	1543.1142	1587.6520	1633.3120	-2.77	-2.81	2.88	-1.04	1.01
82.0	1500.7096	1544.4495	1589.3054	-2.75	-2.83	2.90	-1.06	1.03
83.0	1459.6986	1502.6555	1546.7217	-2.74	-2.86	2.93	-1.07	1.04
84.0	1420.0287	1462.2170	1505.5080	-2.72	-2.89	2.96	-1.09	1.06
85.0	1381.6495	1423.0835	1465.6135	-2.71	-2.91	2.99	-1.10	1.08
86.0	1344.5127	1385.2066	1426.9895	-2.69	-2.94	3.02	-1.12	1.09
87.0	1308.5720	1348.5399	1389.5895	-2.68	-2.96	3.04	-1.14	1.11
88.0	1273.7832	1313.0387	1353.3687	-2.66	-2.99	3.07	-1.15	1.12
89.0	1240.1038	1278.6606	1318.2844	-2.65	-3.02	3.10	-1.17	1.14
90.0	1207.4930	1245.3645	1284.2953	-2.63	-3.04	3.13	-1.19	1.16
91.0	1175.9120	1213.1112	1251.3620	-2.62	-3.07	3.15	-1.20	1.17
92.0	1145.3231	1181.8631	1219.4468	-2.60	-3.09	3.18	-1.22	1.19
93.0	1115.6906	1151.5840	1188.5133	-2.59	-3.12	3.21	-1.24	1.20
94.0	1086.9799	1122.2393	1158.5265	-2.57	-3.14	3.23	-1.26	1.22
95.0	1059.1581	1093.7957	1129.4532	-2.56	-3.17	3.26	-1.27	1.24
96.0	1032.1933	1066.2214	1101.2611	-2.55	-3.19	3.29	-1.29	1.25
97.0	1006.0553	1039.4856	1073.9193	-2.53	-3.22	3.31	-1.31	1.27
98.0	980.7146	1013.5588	1047.3983	-2.52	-3.24	3.34	-1.33	1.29
99.0	956.1433	988.4129	1021.6695	-2.51	-3.26	3.36	-1.34	1.30
100.0	932.3145	964.0207	996.7055	-2.49	-3.29	3.39	-1.36	1.32
101.0	909.2021	940.3560	972.4802	-2.48	-3.31	3.42	-1.38	1.34
102.0	886.7814	917.3938	948.9681	-2.47	-3.34	3.44	-1.40	1.35

103.0	865.0283	895.1099	926.1450	-2.45	-3.36	3.47	-1.41	1.37
104.0	843.9201	873.4813	903.9875	-2.44	-3.38	3.49	-1.43	1.39
105.0	823.4345	852.4855	882.4731	-2.43	-3.41	3.52	-1.45	1.40
106.0	803.5503	832.1011	861.5802	-2.41	-3.43	3.54	-1.47	1.42
107.0	784.2471	812.3076	841.2880	-2.40	-3.45	3.57	-1.49	1.44
108.0	765.5053	793.0852	821.5765	-2.39	-3.48	3.59	-1.50	1.46
109.0	747.3060	774.4146	802.4264	-2.38	-3.50	3.62	-1.52	1.47
110.0	729.6310	756.2777	783.8191	-2.36	-3.52	3.64	-1.54	1.49
111.0	712.4629	738.6566	765.7369	-2.35	-3.55	3.67	-1.56	1.51
112.0	695.7847	721.5345	748.1624	-2.34	-3.57	3.69	-1.58	1.53
113.0	679.5803	704.8948	731.0793	-2.33	-3.59	3.71	-1.60	1.54
114.0	663.8341	688.7219	714.4714	-2.32	-3.61	3.74	-1.61	1.56
115.0	648.5311	673.0006	698.3235	-2.30	-3.64	3.76	-1.63	1.58
116.0	633.6568	657.7161	682.6208	-2.29	-3.66	3.79	-1.65	1.60
117.0	619.1973	642.8545	667.3489	-2.28	-3.68	3.81	-1.67	1.61
118.0	605.1391	628.4022	652.4942	-2.27	-3.70	3.83	-1.69	1.63
119.0	591.4695	614.3459	638.0434	-2.26	-3.72	3.86	-1.71	1.65
120.0	578.1758	600.6733	623.9838	-2.24	-3.75	3.88	-1.73	1.67
121.0	565.2460	587.3719	610.3029	-2.23	-3.77	3.90	-1.75	1.69
122.0	552.6687	574.4303	596.9890	-2.22	-3.79	3.93	-1.77	1.70
123.0	540.4327	561.8370	584.0306	-2.21	-3.81	3.95	-1.79	1.72
124.0	528.5271	549.5811	571.4165	-2.20	-3.83	3.97	-1.81	1.74
125.0	516.9417	537.6521	559.1363	-2.19	-3.85	4.00	-1.83	1.76
126.0	505.6663	526.0399	547.1795	-2.18	-3.87	4.02	-1.85	1.78
127.0	494.6914	514.7346	535.5363	-2.17	-3.89	4.04	-1.86	1.80
128.0	484.0077	503.7269	524.1970	-2.16	-3.91	4.06	-1.88	1.82
129.0	473.6061	493.0076	513.1525	-2.15	-3.94	4.09	-1.90	1.83
130.0	463.4780	482.5678	502.3937	-2.13	-3.96	4.11	-1.92	1.85
131.0	453.6150	472.3992	491.9120	-2.12	-3.98	4.13	-1.94	1.87
132.0	444.0091	462.4935	481.6992	-2.11	-4.00	4.15	-1.96	1.89
133.0	434.6524	452.8427	471.7471	-2.10	-4.02	4.17	-1.98	1.91
134.0	425.5373	443.4393	462.0481	-2.09	-4.04	4.20	-2.00	1.93
135.0	416.6567	434.2757	452.5945	-2.08	-4.06	4.22	-2.03	1.95
136.0	408.0035	425.3450	443.3791	-2.07	-4.08	4.24	-2.05	1.97
137.0	399.5709	416.6401	434.3950	-2.06	-4.10	4.26	-2.07	1.99
138.0	391.3523	408.1544	425.6353	-2.05	-4.12	4.28	-2.09	2.01
139.0	383.3415	399.8815	417.0934	-2.04	-4.14	4.30	-2.11	2.02
140.0	375.5322	391.8151	408.7631	-2.03	-4.16	4.33	-2.13	2.04
141.0	367.9185	383.9492	400.6382	-2.02	-4.18	4.35	-2.15	2.06
142.0	360.4948	376.2779	392.7128	-2.01	-4.19	4.37	-2.17	2.08
143.0	353.2555	368.7957	384.9811	-2.00	-4.21	4.39	-2.19	2.10
144.0	346.1952	361.4971	377.4376	-1.99	-4.23	4.41	-2.21	2.12

145.0	339.3088	354.3768	370.0770	-1.98	-4.25	4.43	-2.23	2.14
146.0	332.5913	347.4298	362.8940	-1.98	-4.27	4.45	-2.25	2.16
147.0	326.0378	340.6510	355.8836	-1.97	-4.29	4.47	-2.27	2.18
148.0	319.6436	334.0357	349.0409	-1.96	-4.31	4.49	-2.30	2.20
149.0	313.4043	327.5794	342.3614	-1.95	-4.33	4.51	-2.32	2.22
150.0	307.3153	321.2775	335.8403	-1.94	-4.35	4.53	-2.34	2.24
151.0	301.3726	315.1256	329.4733	-1.93	-4.36	4.55	-2.36	2.26
152.0	295.5719	309.1197	323.2561	-1.92	-4.38	4.57	-2.38	2.28
153.0	289.9093	303.2556	317.1846	-1.91	-4.40	4.59	-2.40	2.30
154.0	284.3809	297.5295	311.2548	-1.90	-4.42	4.61	-2.43	2.32
155.0	278.9831	291.9375	305.4628	-1.89	-4.44	4.63	-2.45	2.34
156.0	273.7122	286.4759	299.8048	-1.88	-4.46	4.65	-2.47	2.36
157.0	268.5646	281.1411	294.2771	-1.88	-4.47	4.67	-2.49	2.39
158.0	263.5371	275.9298	288.8763	-1.87	-4.49	4.69	-2.51	2.41
159.0	258.6263	270.8385	283.5990	-1.86	-4.51	4.71	-2.54	2.43
160.0	253.8291	265.8640	278.4417	-1.85	-4.53	4.73	-2.56	2.45
161.0	249.1423	261.0032	273.4014	-1.84	-4.54	4.75	-2.58	2.47
162.0	244.5630	256.2530	268.4748	-1.83	-4.56	4.77	-2.60	2.49
163.0	240.0883	251.6104	263.6590	-1.82	-4.58	4.79	-2.63	2.51
164.0	235.7154	247.0726	258.9511	-1.82	-4.60	4.81	-2.65	2.53
165.0	231.4416	242.6368	254.3481	-1.81	-4.61	4.83	-2.67	2.55
166.0	227.2642	238.3003	249.8473	-1.80	-4.63	4.85	-2.69	2.57
167.0	223.1806	234.0604	245.4461	-1.79	-4.65	4.86	-2.72	2.60
168.0	219.1885	229.9148	241.1418	-1.78	-4.67	4.88	-2.74	2.62
169.0	215.2853	225.8608	236.9320	-1.77	-4.68	4.90	-2.76	2.64
170.0	211.4688	221.8961	232.8142	-1.77	-4.70	4.92	-2.78	2.66
171.0	207.7367	218.0184	228.7860	-1.76	-4.72	4.94	-2.81	2.68
172.0	204.0867	214.2254	224.8452	-1.75	-4.73	4.96	-2.83	2.70
173.0	200.5169	210.5149	220.9894	-1.74	-4.75	4.98	-2.85	2.72
174.0	197.0250	206.8849	217.2166	-1.74	-4.77	4.99	-2.88	2.75
175.0	193.6091	203.3333	213.5246	-1.73	-4.78	5.01	-2.90	2.77
176.0	190.2673	199.8581	209.9113	-1.72	-4.80	5.03	-2.92	2.79
177.0	186.9976	196.4573	206.3749	-1.71	-4.82	5.05	-2.95	2.81
178.0	183.7982	193.1290	202.9133	-1.70	-4.83	5.07	-2.97	2.83
179.0	180.6673	189.8715	199.5247	-1.70	-4.85	5.08	-3.00	2.86
180.0	177.6033	186.6830	196.2073	-1.69	-4.86	5.10	-3.02	2.88
181.0	174.6043	183.5617	192.9592	-1.68	-4.88	5.12	-3.04	2.90
182.0	171.6689	180.5059	189.7789	-1.68	-4.90	5.14	-3.07	2.92
183.0	168.7953	177.5141	186.6646	-1.67	-4.91	5.15	-3.09	2.95
184.0	165.9821	174.5847	183.6147	-1.66	-4.93	5.17	-3.12	2.97
185.0	163.2278	171.7160	180.6276	-1.65	-4.94	5.19	-3.14	2.99
186.0	160.5309	168.9067	177.7018	-1.65	-4.96	5.21	-3.16	3.01

187.0	157.8899	166.1552	174.8358	-1.64	-4.97	5.22	-3.19	3.04
188.0	155.3036	163.4603	172.0281	-1.63	-4.99	5.24	-3.21	3.06
189.0	152.7706	160.8204	169.2774	-1.62	-5.01	5.26	-3.24	3.08
190.0	150.2895	158.2342	166.5823	-1.62	-5.02	5.28	-3.26	3.10
191.0	147.8592	155.7006	163.9414	-1.61	-5.04	5.29	-3.29	3.13
192.0	145.4784	153.2181	161.3535	-1.60	-5.05	5.31	-3.31	3.15
193.0	143.1458	150.7856	158.8173	-1.60	-5.07	5.33	-3.34	3.17
194.0	140.8605	148.4019	156.3315	-1.59	-5.08	5.34	-3.36	3.20
195.0	138.6211	146.0659	153.8950	-1.58	-5.10	5.36	-3.39	3.22
196.0	136.4267	143.7763	151.5067	-1.58	-5.11	5.38	-3.41	3.24
197.0	134.2761	141.5321	149.1653	-1.57	-5.13	5.39	-3.44	3.27
198.0	132.1683	139.3323	146.8698	-1.56	-5.14	5.41	-3.46	3.29
199.0	130.1024	137.1757	144.6192	-1.56	-5.16	5.43	-3.49	3.31
200.0	128.0772	135.0614	142.4123	-1.55	-5.17	5.44	-3.51	3.34
201.0	126.0919	132.9885	140.2482	-1.54	-5.19	5.46	-3.54	3.36
202.0	124.1456	130.9559	138.1259	-1.54	-5.20	5.48	-3.56	3.38
203.0	122.2373	128.9626	136.0444	-1.53	-5.21	5.49	-3.59	3.41
204.0	120.3661	127.0079	134.0028	-1.52	-5.23	5.51	-3.61	3.43
205.0	118.5313	125.0908	132.0002	-1.52	-5.24	5.52	-3.64	3.46
206.0	116.7319	123.2105	130.0357	-1.51	-5.26	5.54	-3.67	3.48
207.0	114.9671	121.3661	128.1085	-1.51	-5.27	5.56	-3.69	3.50
208.0	113.2362	119.5568	126.2176	-1.50	-5.29	5.57	-3.72	3.53
209.0	111.5383	117.7818	124.3623	-1.49	-5.30	5.59	-3.74	3.55
210.0	109.8728	116.0403	122.5418	-1.49	-5.31	5.60	-3.77	3.58
211.0	108.2389	114.3317	120.7553	-1.48	-5.33	5.62	-3.80	3.60
212.0	106.6359	112.6550	119.0021	-1.47	-5.34	5.63	-3.82	3.62
213.0	105.0630	111.0098	117.2813	-1.47	-5.36	5.65	-3.85	3.65
214.0	103.5197	109.3951	115.5924	-1.46	-5.37	5.67	-3.87	3.67
215.0	102.0052	107.8104	113.9345	-1.46	-5.38	5.68	-3.90	3.70
216.0	100.5190	106.2550	112.3071	-1.45	-5.40	5.70	-3.93	3.72
217.0	99.0603	104.7282	110.7094	-1.44	-5.41	5.71	-3.95	3.75
218.0	97.6286	103.2295	109.1408	-1.44	-5.43	5.73	-3.98	3.77
219.0	96.2233	101.7582	107.6007	-1.43	-5.44	5.74	-4.01	3.80
220.0	94.8438	100.3137	106.0884	-1.43	-5.45	5.76	-4.03	3.82
221.0	93.4895	98.8954	104.6034	-1.42	-5.47	5.77	-4.06	3.85
222.0	92.1600	97.5028	103.1450	-1.42	-5.48	5.79	-4.09	3.87
223.0	90.8545	96.1352	101.7127	-1.41	-5.49	5.80	-4.12	3.90
224.0	89.5728	94.7923	100.3059	-1.40	-5.51	5.82	-4.14	3.92
225.0	88.3141	93.4734	98.9242	-1.40	-5.52	5.83	-4.17	3.95
226.0	87.0781	92.1780	97.5669	-1.39	-5.53	5.85	-4.20	3.97
227.0	85.8642	90.9056	96.2335	-1.39	-5.55	5.86	-4.23	4.00
228.0	84.6719	89.6558	94.9236	-1.38	-5.56	5.88	-4.25	4.02

229.0	83.5009	88.4280	93.6366	-1.38	-5.57	5.89	-4.28	4.05
230.0	82.3506	87.2219	92.3720	-1.37	-5.58	5.90	-4.31	4.07
231.0	81.2206	86.0368	91.1295	-1.37	-5.60	5.92	-4.34	4.10
232.0	80.1106	84.8725	89.9085	-1.36	-5.61	5.93	-4.36	4.13
233.0	79.0200	83.7284	88.7086	-1.35	-5.62	5.95	-4.39	4.15
234.0	77.9484	82.6042	87.5293	-1.35	-5.64	5.96	-4.42	4.18
235.0	76.8955	81.4994	86.3703	-1.34	-5.65	5.98	-4.45	4.20
236.0	75.8609	80.4136	85.2310	-1.34	-5.66	5.99	-4.48	4.23
237.0	74.8442	79.3465	84.1112	-1.33	-5.67	6.00	-4.50	4.26
238.0	73.8450	78.2976	83.0104	-1.33	-5.69	6.02	-4.53	4.28
239.0	72.8630	77.2666	81.9282	-1.32	-5.70	6.03	-4.56	4.31
240.0	71.8978	76.2531	80.8642	-1.32	-5.71	6.05	-4.59	4.33
241.0	70.9490	75.2568	79.8182	-1.31	-5.72	6.06	-4.62	4.36
242.0	70.0164	74.2773	78.7896	-1.31	-5.74	6.07	-4.65	4.39
243.0	69.0996	73.3143	77.7782	-1.30	-5.75	6.09	-4.67	4.41
244.0	68.1983	72.3674	76.7836	-1.30	-5.76	6.10	-4.70	4.44
245.0	67.3121	71.4363	75.8055	-1.29	-5.77	6.12	-4.73	4.47
246.0	66.4408	70.5207	74.8436	-1.29	-5.79	6.13	-4.76	4.49
247.0	65.5841	69.6203	73.8975	-1.28	-5.80	6.14	-4.79	4.52
248.0	64.7416	68.7348	72.9669	-1.28	-5.81	6.16	-4.82	4.55
249.0	63.9131	67.8638	72.0516	-1.27	-5.82	6.17	-4.85	4.57
250.0	63.0983	67.0072	71.1511	-1.27	-5.83	6.18	-4.88	4.60
251.0	62.2970	66.1646	70.2653	-1.26	-5.85	6.20	-4.91	4.63
252.0	61.5088	65.3357	69.3938	-1.26	-5.86	6.21	-4.94	4.66
253.0	60.7336	64.5204	68.5364	-1.25	-5.87	6.22	-4.97	4.68
254.0	59.9710	63.7182	67.6927	-1.25	-5.88	6.24	-5.00	4.71
255.0	59.2208	62.9290	66.8626	-1.24	-5.89	6.25	-5.02	4.74
256.0	58.4828	62.1524	66.0458	-1.24	-5.90	6.26	-5.05	4.76
257.0	57.7567	61.3884	65.2419	-1.23	-5.92	6.28	-5.08	4.79
258.0	57.0423	60.6365	64.4508	-1.23	-5.93	6.29	-5.11	4.82
259.0	56.3394	59.8967	63.6722	-1.23	-5.94	6.30	-5.14	4.85
260.0	55.6477	59.1686	62.9059	-1.22	-5.95	6.32	-5.17	4.87
261.0	54.9671	58.4520	62.1517	-1.22	-5.96	6.33	-5.20	4.90
262.0	54.2973	57.7467	61.4092	-1.21	-5.97	6.34	-5.23	4.93
263.0	53.6381	57.0525	60.6783	-1.21	-5.98	6.36	-5.26	4.96
264.0	52.9893	56.3693	59.9588	-1.20	-6.00	6.37	-5.29	4.99
265.0	52.3507	55.6966	59.2505	-1.20	-6.01	6.38	-5.33	5.01
266.0	51.7221	55.0345	58.5531	-1.19	-6.02	6.39	-5.36	5.04
267.0	51.1034	54.3826	57.8665	-1.19	-6.03	6.41	-5.39	5.07
268.0	50.4944	53.7409	57.1904	-1.18	-6.04	6.42	-5.42	5.10
269.0	49.8947	53.1090	56.5246	-1.18	-6.05	6.43	-5.45	5.13
270.0	49.3044	52.4868	55.8690	-1.18	-6.06	6.44	-5.48	5.15



271.0	48.7232	51.8742	55.2234	-1.17	-6.07	6.46	-5.51	5.18
272.0	48.1510	51.2709	54.5876	-1.17	-6.09	6.47	-5.54	5.21
273.0	47.5875	50.6769	53.9614	-1.16	-6.10	6.48	-5.57	5.24
274.0	47.0326	50.0918	53.3446	-1.16	-6.11	6.49	-5.60	5.27
275.0	46.4862	49.5156	52.7370	-1.15	-6.12	6.51	-5.63	5.30
276.0	45.9482	48.9481	52.1386	-1.15	-6.13	6.52	-5.66	5.33
277.0	45.4182	48.3891	51.5491	-1.15	-6.14	6.53	-5.70	5.36
278.0	44.8963	47.8385	50.9684	-1.14	-6.15	6.54	-5.73	5.38
279.0	44.3822	47.2961	50.3963	-1.14	-6.16	6.55	-5.76	5.41
280.0	43.8758	46.7618	49.8326	-1.13	-6.17	6.57	-5.79	5.44
281.0	43.3770	46.2354	49.2772	-1.13	-6.18	6.58	-5.82	5.47
282.0	42.8856	45.7168	48.7300	-1.13	-6.19	6.59	-5.85	5.50
283.0	42.4016	45.2059	48.1908	-1.12	-6.20	6.60	-5.89	5.53
284.0	41.9247	44.7025	47.6595	-1.12	-6.21	6.61	-5.92	5.56
285.0	41.4549	44.2064	47.1359	-1.11	-6.22	6.63	-5.95	5.59
286.0	41	44	47	-1.11	-6.23	6.64	-5.98	5.62
287.0	41	43	46	-1.11	-6.25	6.65	-6.01	5.65
288.0	40	43	46	-1.10	-6.26	6.66	-6.05	5.68
289.0	40	42	45	-1.10	-6.27	6.67	-6.08	5.71
290.0	39	42	45	-1.09	-6.28	6.69	-6.11	5.74
291.0	39	41	44	-1.09	-6.29	6.70	-6.14	5.77
292.0	38	41	44	-1.09	-6.30	6.71	-6.18	5.80
293.0	38	40	43	-1.08	-6.31	6.72	-6.21	5.83
294.0	38	40	43	-1.08	-6.32	6.73	-6.24	5.86
295.0	37	40	42	-1.07	-6.33	6.74	-6.27	5.89
296.0	37	39	42	-1.07	-6.34	6.76	-6.31	5.92
297.0	36	39	41	-1.07	-6.35	6.77	-6.34	5.95
298.0	36	38	41	-1.06	-6.36	6.78	-6.37	5.98
299.0	36	38	41	-1.06	-6.37	6.79	-6.40	6.01
300.0	35	38	40	-1.06	-6.38	6.80	-6.44	6.04