

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:

100.000

Kohms ±

1%

B:

4050

°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	13721871.6156	14568414.1772	15465635.7174	-8.51	-5.81	6.16	-0.72	0.68
-54.0	12617989.8471	13385086.7715	14197398.6345	-8.43	-5.73	6.07	-0.72	0.68
-53.0	11611755.6904	12307343.9691	13043296.1682	-8.36	-5.65	5.98	-0.72	0.68
-52.0	10693798.8646	11324973.3488	11992201.9737	-8.28	-5.57	5.89	-0.71	0.67
-51.0	9855714.8665	10428822.8133	11034153.3527	-8.21	-5.50	5.80	-0.71	0.67
-50.0	9089958.8743	9610683.3043	10160221.6610	-8.13	-5.42	5.72	-0.70	0.67
-49.0	8389751.9972	8863185.2549	9362397.9926	-8.06	-5.34	5.63	-0.70	0.66
-48.0	7748998.3591	8179707.0844	8633492.2432	-7.99	-5.27	5.55	-0.69	0.66
-47.0	7162211.6939	7554294.2593	7967043.9046	-7.92	-5.19	5.46	-0.69	0.66
-46.0	6624450.3039	6981587.6342	7357243.1526	-7.85	-5.12	5.38	-0.69	0.65
-45.0	6131259.3748	6456759.9516	6798860.9761	-7.78	-5.04	5.30	-0.68	0.65
-44.0	5678619.7714	5975459.5203	6287187.2574	-7.71	-4.97	5.22	-0.68	0.64
-43.0	5262902.5446	5533760.2173	5817975.8474	-7.65	-4.89	5.14	-0.67	0.64
-42.0	4880828.4776	5128117.0638	5387395.8043	-7.58	-4.82	5.06	-0.67	0.64
-41.0	4529432.0831	4755326.7201	4991988.0654	-7.51	-4.75	4.98	-0.66	0.63
-40.0	4206029.5334	4412492.3238	4628626.9137	-7.45	-4.68	4.90	-0.66	0.63
-39.0	3908190.0712	4096992.1687	4294485.6801	-7.39	-4.61	4.82	-0.65	0.62
-38.0	3633710.5007	3806451.7810	3987006.1885	-7.32	-4.54	4.74	-0.65	0.62
-37.0	3380592.4094	3538719.0025	3703871.5139	-7.26	-4.47	4.67	-0.64	0.62
-36.0	3147021.8122	3291841.7416	3442981.6748	-7.20	-4.40	4.59	-0.64	0.61
-35.0	2931350.9444	3064048.0877	3202431.9240	-7.14	-4.33	4.52	-0.63	0.61
-34.0	2732081.9650	2853728.5254	2980493.3471	-7.08	-4.26	4.44	-0.63	0.60
-33.0	2547852.3582	2659420.0142	2775595.5079	-7.02	-4.20	4.37	-0.62	0.60
-32.0	2377421.8459	2479791.7256	2586310.9134	-6.96	-4.13	4.30	-0.62	0.59
-31.0	2219660.6454	2313632.2577	2411341.0964	-6.91	-4.06	4.22	-0.61	0.59
-30.0	2073538.9276	2159838.1625	2249504.1380	-6.85	-4.00	4.15	-0.61	0.58
-29.0	1938117.3441	2017403.6464	2099723.4729	-6.79	-3.93	4.08	-0.60	0.58
-28.0	1812538.5097	1885411.3144	1961017.8366	-6.74	-3.87	4.01	-0.60	0.57
-27.0	1696019.3382	1763023.8487	1832492.2338	-6.68	-3.80	3.94	-0.59	0.57
-26.0	1587844.1406	1649476.5189	1713329.8160	-6.63	-3.74	3.87	-0.58	0.56
-25.0	1487358.4059	1544070.4397	1602784.5729	-6.58	-3.67	3.80	-0.58	0.56
-24.0	1393963.1930	1446166.4929	1500174.7507	-6.52	-3.61	3.73	-0.57	0.55

-23.0	1307110.0696	1355179.8485	1404876.9215	-6.47	-3.55	3.67	-0.57	0.55
-22.0	1226296.5427	1270575.0191	1316320.6344	-6.42	-3.48	3.60	-0.56	0.54
-21.0	1151061.9289	1191861.3947	1233983.5897	-6.37	-3.42	3.53	-0.55	0.54
-20.0	1080983.6205	1118589.2081	1157387.2801	-6.32	-3.36	3.47	-0.55	0.53
-19.0	1015673.7069	1050345.8858	1086093.0530	-6.27	-3.30	3.40	-0.54	0.53
-18.0	954775.9156	986752.7471	1019698.5491	-6.22	-3.24	3.34	-0.54	0.52
-17.0	897962.8404	927462.0150	957834.4804	-6.17	-3.18	3.27	-0.53	0.52
-16.0	844933.4293	872154.1080	900161.7128	-6.12	-3.12	3.21	-0.52	0.51
-15.0	795410.7043	820535.1852	846368.6229	-6.08	-3.06	3.15	-0.52	0.50
-14.0	749139.6929	772334.9190	796168.7021	-6.03	-3.00	3.09	-0.51	0.50
-13.0	705885.5485	727304.4733	749298.3825	-5.98	-2.94	3.02	-0.51	0.49
-12.0	665431.8422	685214.6675	705515.0638	-5.94	-2.89	2.96	-0.50	0.49
-11.0	627579.0093	645854.3073	664595.3215	-5.89	-2.83	2.90	-0.49	0.48
-10.0	592142.9362	609028.6673	626333.2776	-5.85	-2.77	2.84	-0.49	0.47
-9.0	558953.6725	574558.1097	590539.1197	-5.80	-2.72	2.78	-0.48	0.47
-8.0	527854.2594	542276.8270	557037.7532	-5.76	-2.66	2.72	-0.47	0.46
-7.0	498699.6599	512031.6963	525667.5739	-5.72	-2.60	2.66	-0.47	0.46
-6.0	471355.7845	483681.2352	496279.3504	-5.67	-2.55	2.60	-0.46	0.45
-5.0	445698.6010	457094.6495	468735.2048	-5.63	-2.49	2.55	-0.45	0.44
-4.0	421613.3223	432150.9635	442907.6833	-5.59	-2.44	2.49	-0.45	0.44
-3.0	398993.6636	408738.2270	418678.9083	-5.55	-2.38	2.43	-0.44	0.43
-2.0	377741.1644	386752.7894	395939.8033	-5.51	-2.33	2.38	-0.43	0.42
-1.0	357764.5673	366098.6376	374589.3861	-5.47	-2.28	2.32	-0.42	0.42
0.0	338979.2500	346686.7892	354534.1215	-5.43	-2.22	2.26	-0.42	0.41
1.0	321306.7052	328434.7376	335687.3299	-5.39	-2.17	2.21	-0.41	0.40
2.0	304674.0643	311265.9446	317968.6459	-5.35	-2.12	2.15	-0.40	0.40
3.0	289013.6601	295109.3743	301303.5227	-5.31	-2.07	2.10	-0.40	0.39
4.0	274262.6266	279899.0670	285622.7781	-5.27	-2.01	2.04	-0.39	0.38
5.0	260362.5312	265573.7475	270862.1785	-5.23	-1.96	1.99	-0.38	0.37
6.0	247259.0376	252076.4668	256962.0567	-5.20	-1.91	1.94	-0.37	0.37
7.0	234901.5952	239354.2720	243866.9625	-5.16	-1.86	1.89	-0.37	0.36
8.0	223243.1549	227357.9043	231525.3406	-5.12	-1.81	1.83	-0.36	0.35
9.0	212239.9069	216041.5199	219889.2359	-5.09	-1.76	1.78	-0.35	0.35
10.0	201851.0397	205362.4355	208914.0220	-5.05	-1.71	1.73	-0.34	0.34
11.0	192038.5187	195280.8921	198558.1517	-5.02	-1.66	1.68	-0.33	0.33
12.0	182766.8818	185759.8390	188782.9282	-4.98	-1.61	1.63	-0.33	0.32
13.0	174003.0513	176764.7347	179552.2931	-4.95	-1.56	1.58	-0.32	0.32
14.0	165716.1609	168263.3629	170832.6328	-4.91	-1.51	1.53	-0.31	0.31
15.0	157877.3954	160225.6637	162592.5992	-4.88	-1.47	1.48	-0.30	0.30
16.0	150459.8437	152623.5771	154802.9448	-4.84	-1.42	1.43	-0.29	0.29
17.0	143438.3625	145430.8997	147436.3707	-4.81	-1.37	1.38	-0.29	0.28
18.0	136789.4507	138623.1517	140467.3858	-4.78	-1.32	1.33	-0.28	0.28

19.0	130491.1333	132177.4539	133872.1782	-4.75	-1.28	1.28	-0.27	0.27
20.0	124522.8542	126072.4152	127628.4947	-4.71	-1.23	1.23	-0.26	0.26
21.0	118865.3770	120288.0270	121715.5314	-4.68	-1.18	1.19	-0.25	0.25
22.0	113500.6934	114805.5675	116113.8307	-4.65	-1.14	1.14	-0.25	0.24
23.0	108411.9380	109607.5112	110805.1876	-4.62	-1.09	1.09	-0.24	0.24
24.0	103583.3099	104677.4467	105772.5625	-4.59	-1.05	1.05	-0.23	0.23
25.0	99000.0000	100000.0000	101000.0000	-4.56	-1.00	1.00	-0.22	0.22
26.0	94562.2071	95560.7631	96560.2068	-4.53	-1.04	1.05	-0.23	0.23
27.0	90350.9500	91346.2288	92343.2361	-4.50	-1.09	1.09	-0.24	0.24
28.0	86353.3602	87343.7291	88336.6217	-4.47	-1.13	1.14	-0.25	0.25
29.0	82557.3703	83541.3791	84528.6626	-4.44	-1.18	1.18	-0.27	0.27
30.0	78951.6597	79928.0244	80908.3718	-4.41	-1.22	1.23	-0.28	0.28
31.0	75525.6045	76493.1926	77465.4296	-4.38	-1.26	1.27	-0.29	0.29
32.0	72269.2313	73227.0478	74190.1389	-4.35	-1.31	1.32	-0.30	0.30
33.0	69173.1738	70120.3487	71073.3850	-4.32	-1.35	1.36	-0.31	0.31
34.0	66228.6328	67164.4099	68106.5976	-4.29	-1.39	1.40	-0.33	0.32
35.0	63427.3391	64351.0652	65281.7152	-4.27	-1.44	1.45	-0.34	0.34
36.0	60761.5187	61672.6345	62591.1526	-4.24	-1.48	1.49	-0.35	0.35
37.0	58223.8606	59121.8916	60027.7702	-4.21	-1.52	1.53	-0.36	0.36
38.0	55807.4872	56692.0358	57584.8455	-4.18	-1.56	1.57	-0.38	0.37
39.0	53505.9260	54376.6645	55256.0470	-4.16	-1.60	1.62	-0.39	0.39
40.0	51313.0841	52169.7476	53035.4090	-4.13	-1.64	1.66	-0.40	0.40
41.0	49223.2236	50065.6043	50917.3089	-4.10	-1.68	1.70	-0.41	0.41
42.0	47230.9397	48058.8811	48896.4458	-4.08	-1.72	1.74	-0.43	0.42
43.0	45331.1391	46144.5309	46967.8204	-4.05	-1.76	1.78	-0.44	0.44
44.0	43519.0211	44317.7947	45126.7164	-4.03	-1.80	1.83	-0.45	0.45
45.0	41790.0587	42574.1831	43368.6830	-4.00	-1.84	1.87	-0.47	0.46
46.0	40139.9823	40909.4597	41689.5186	-3.98	-1.88	1.91	-0.48	0.47
47.0	38564.7632	39319.6262	40085.2559	-3.95	-1.92	1.95	-0.49	0.49
48.0	37060.5993	37800.9070	38552.1473	-3.93	-1.96	1.99	-0.51	0.50
49.0	35623.9010	36349.7365	37086.6520	-3.90	-2.00	2.03	-0.52	0.51
50.0	34251.2783	34962.7460	35685.4233	-3.88	-2.03	2.07	-0.53	0.52
51.0	32939.5289	33636.7516	34345.2974	-3.85	-2.07	2.11	-0.55	0.54
52.0	31685.6265	32368.7438	33063.2820	-3.83	-2.11	2.15	-0.56	0.55
53.0	30486.7109	31155.8768	31836.5466	-3.81	-2.15	2.18	-0.57	0.56
54.0	29340.0775	29995.4586	30662.4128	-3.78	-2.18	2.22	-0.59	0.58
55.0	28243.1683	28884.9423	29538.3453	-3.76	-2.22	2.26	-0.60	0.59
56.0	27193.5634	27821.9173	28461.9439	-3.74	-2.26	2.30	-0.62	0.60
57.0	26188.9727	26804.1016	27430.9354	-3.72	-2.29	2.34	-0.63	0.62
58.0	25227.2283	25829.3341	26443.1660	-3.69	-2.33	2.38	-0.64	0.63
59.0	24306.2775	24895.5679	25496.5953	-3.67	-2.37	2.41	-0.66	0.64
60.0	23424.1763	24000.8634	24589.2889	-3.65	-2.40	2.45	-0.67	0.66

61.0	22579.0826	23143.3823	23719.4129	-3.63	-2.44	2.49	-0.69	0.67
62.0	21769.2510	22321.3820	22885.2280	-3.61	-2.47	2.53	-0.70	0.69
63.0	20993.0267	21533.2100	22085.0844	-3.58	-2.51	2.56	-0.72	0.70
64.0	20248.8411	20777.2988	21317.4164	-3.56	-2.54	2.60	-0.73	0.71
65.0	19535.2059	20052.1612	20580.7383	-3.54	-2.58	2.64	-0.74	0.73
66.0	18850.7097	19356.3858	19873.6391	-3.52	-2.61	2.67	-0.76	0.74
67.0	18194.0128	18688.6326	19194.7794	-3.50	-2.65	2.71	-0.77	0.76
68.0	17563.8438	18047.6296	18542.8866	-3.48	-2.68	2.74	-0.79	0.77
69.0	16958.9954	17432.1684	17916.7516	-3.46	-2.71	2.78	-0.80	0.78
70.0	16378.3211	16841.1011	17315.2255	-3.44	-2.75	2.82	-0.82	0.80
71.0	15820.7320	16273.3368	16737.2160	-3.42	-2.78	2.85	-0.83	0.81
72.0	15285.1932	15727.8387	16181.6845	-3.40	-2.81	2.89	-0.85	0.83
73.0	14770.7212	15203.6211	15647.6434	-3.38	-2.85	2.92	-0.86	0.84
74.0	14276.3812	14699.7464	15134.1529	-3.36	-2.88	2.96	-0.88	0.86
75.0	13801.2841	14215.3231	14640.3190	-3.34	-2.91	2.99	-0.89	0.87
76.0	13344.5844	13749.5026	14165.2907	-3.32	-2.94	3.02	-0.91	0.89
77.0	12905.4777	13301.4777	13708.2579	-3.30	-2.98	3.06	-0.93	0.90
78.0	12483.1986	12870.4798	13268.4492	-3.28	-3.01	3.09	-0.94	0.92
79.0	12077.0185	12455.7771	12845.1297	-3.27	-3.04	3.13	-0.96	0.93
80.0	11686.2438	12056.6728	12437.5997	-3.25	-3.07	3.16	-0.97	0.95
81.0	11310.2141	11672.5029	12045.1920	-3.23	-3.10	3.19	-0.99	0.96
82.0	10948.3002	11302.6351	11667.2710	-3.21	-3.13	3.23	-1.00	0.98
83.0	10599.9029	10946.4665	11303.2306	-3.19	-3.17	3.26	-1.02	0.99
84.0	10264.4509	10603.4225	10952.4929	-3.18	-3.20	3.29	-1.04	1.01
85.0	9941.4001	10272.9554	10614.5069	-3.16	-3.23	3.32	-1.05	1.02
86.0	9630.2313	9954.5426	10288.7466	-3.14	-3.26	3.36	-1.07	1.04
87.0	9330.4498	9647.6858	9974.7104	-3.12	-3.29	3.39	-1.09	1.05
88.0	9041.5835	9351.9096	9671.9195	-3.11	-3.32	3.42	-1.10	1.07
89.0	8763.1823	9066.7602	9379.9167	-3.09	-3.35	3.45	-1.12	1.08
90.0	8494.8164	8791.8045	9098.2657	-3.07	-3.38	3.49	-1.14	1.10
91.0	8236.0759	8526.6291	8826.5497	-3.05	-3.41	3.52	-1.15	1.12
92.0	7986.5692	8270.8390	8564.3705	-3.04	-3.44	3.55	-1.17	1.13
93.0	7745.9226	8024.0572	8311.3477	-3.02	-3.47	3.58	-1.19	1.15
94.0	7513.7792	7785.9235	8067.1179	-3.00	-3.50	3.61	-1.20	1.16
95.0	7289.7980	7556.0935	7831.3336	-2.99	-3.52	3.64	-1.22	1.18
96.0	7073.6532	7334.2383	7603.6627	-2.97	-3.55	3.67	-1.24	1.20
97.0	6865.0335	7120.0434	7383.7875	-2.96	-3.58	3.70	-1.25	1.21
98.0	6663.6415	6913.2081	7171.4043	-2.94	-3.61	3.73	-1.27	1.23
99.0	6469.1925	6713.4449	6966.2226	-2.92	-3.64	3.77	-1.29	1.24
100.0	6281.4146	6520.4786	6767.9642	-2.91	-3.67	3.80	-1.30	1.26
101.0	6100.0477	6334.0462	6576.3632	-2.89	-3.69	3.83	-1.32	1.28
102.0	5924.8429	6153.8959	6391.1648	-2.88	-3.72	3.86	-1.34	1.29

103.0	5755.5620	5979.7866	6212.1252	-2.86	-3.75	3.89	-1.36	1.31
104.0	5591.9773	5811.4878	6039.0111	-2.85	-3.78	3.92	-1.38	1.33
105.0	5433.8705	5648.7785	5871.5988	-2.83	-3.80	3.94	-1.39	1.34
106.0	5281.0330	5491.4472	5709.6741	-2.82	-3.83	3.97	-1.41	1.36
107.0	5133.2647	5339.2915	5553.0319	-2.80	-3.86	4.00	-1.43	1.38
108.0	4990.3742	5192.1171	5401.4754	-2.79	-3.89	4.03	-1.45	1.39
109.0	4852.1781	5049.7381	5254.8163	-2.77	-3.91	4.06	-1.46	1.41
110.0	4718.5007	4911.9763	5112.8738	-2.76	-3.94	4.09	-1.48	1.43
111.0	4589.1734	4778.6609	4975.4747	-2.74	-3.97	4.12	-1.50	1.44
112.0	4464.0351	4649.6281	4842.4530	-2.73	-3.99	4.15	-1.52	1.46
113.0	4342.9308	4524.7209	4713.6491	-2.72	-4.02	4.18	-1.54	1.48
114.0	4225.7123	4403.7887	4588.9104	-2.70	-4.04	4.20	-1.56	1.50
115.0	4112.2374	4286.6869	4468.0901	-2.69	-4.07	4.23	-1.57	1.51
116.0	4002.3695	4173.2770	4351.0474	-2.67	-4.10	4.26	-1.59	1.53
117.0	3895.9778	4063.4260	4237.6473	-2.66	-4.12	4.29	-1.61	1.55
118.0	3792.9367	3957.0062	4127.7600	-2.65	-4.15	4.32	-1.63	1.57
119.0	3693.1257	3853.8951	4021.2611	-2.63	-4.17	4.34	-1.65	1.58
120.0	3596.4290	3753.9751	3918.0308	-2.62	-4.20	4.37	-1.67	1.60
121.0	3502.7357	3657.1331	3817.9544	-2.61	-4.22	4.40	-1.69	1.62
122.0	3411.9391	3563.2607	3720.9214	-2.59	-4.25	4.42	-1.71	1.64
123.0	3323.9368	3472.2537	3626.8259	-2.58	-4.27	4.45	-1.72	1.66
124.0	3238.6304	3384.0118	3535.5658	-2.57	-4.30	4.48	-1.74	1.67
125.0	3155.9255	3298.4390	3447.0434	-2.55	-4.32	4.51	-1.76	1.69
126.0	3075.7313	3215.4428	3361.1644	-2.54	-4.35	4.53	-1.78	1.71
127.0	2997.9605	3134.9342	3277.8382	-2.53	-4.37	4.56	-1.80	1.73
128.0	2922.5293	3056.8278	3196.9779	-2.52	-4.39	4.58	-1.82	1.75
129.0	2849.3571	2981.0414	3118.4997	-2.50	-4.42	4.61	-1.84	1.76
130.0	2778.3664	2907.4961	3042.3230	-2.49	-4.44	4.64	-1.86	1.78
131.0	2709.4827	2836.1157	2968.3704	-2.48	-4.47	4.66	-1.88	1.80
132.0	2642.6343	2766.8273	2896.5672	-2.47	-4.49	4.69	-1.90	1.82
133.0	2577.7523	2699.5605	2826.8418	-2.46	-4.51	4.71	-1.92	1.84
134.0	2514.7703	2634.2474	2759.1250	-2.44	-4.54	4.74	-1.94	1.86
135.0	2453.6246	2570.8231	2693.3503	-2.43	-4.56	4.77	-1.96	1.88
136.0	2394.2536	2509.2247	2629.4538	-2.42	-4.58	4.79	-1.98	1.89
137.0	2336.5983	2449.3919	2567.3736	-2.41	-4.60	4.82	-2.00	1.91
138.0	2280.6018	2391.2666	2507.0505	-2.40	-4.63	4.84	-2.02	1.93
139.0	2226.2093	2334.7927	2448.4273	-2.38	-4.65	4.87	-2.04	1.95
140.0	2173.3680	2279.9162	2391.4488	-2.37	-4.67	4.89	-2.06	1.97
141.0	2122.0272	2226.5854	2336.0618	-2.36	-4.70	4.92	-2.08	1.99
142.0	2072.1377	2174.7499	2282.2153	-2.35	-4.72	4.94	-2.10	2.01
143.0	2023.6525	2124.3617	2229.8598	-2.34	-4.74	4.97	-2.12	2.03
144.0	1976.5262	2075.3742	2178.9478	-2.33	-4.76	4.99	-2.14	2.05

145.0	1930.7149	2027.7426	2129.4335	-2.32	-4.79	5.01	-2.17	2.07
146.0	1886.1765	1981.4237	2081.2726	-2.31	-4.81	5.04	-2.19	2.09
147.0	1842.8702	1936.3759	2034.4225	-2.29	-4.83	5.06	-2.21	2.10
148.0	1800.7569	1892.5589	1988.8420	-2.28	-4.85	5.09	-2.23	2.12
149.0	1759.7986	1849.9339	1944.4914	-2.27	-4.87	5.11	-2.25	2.14
150.0	1719.9590	1808.4637	1901.3325	-2.26	-4.89	5.14	-2.27	2.16
151.0	1681.2028	1768.1122	1859.3283	-2.25	-4.92	5.16	-2.29	2.18
152.0	1643.4961	1728.8445	1818.4432	-2.24	-4.94	5.18	-2.31	2.20
153.0	1606.8062	1690.6271	1778.6427	-2.23	-4.96	5.21	-2.33	2.22
154.0	1571.1014	1653.4275	1739.8936	-2.22	-4.98	5.23	-2.36	2.24
155.0	1536.3513	1617.2146	1702.1638	-2.21	-5.00	5.25	-2.38	2.26
156.0	1502.5263	1581.9580	1665.4223	-2.20	-5.02	5.28	-2.40	2.28
157.0	1469.5982	1547.6287	1629.6392	-2.19	-5.04	5.30	-2.42	2.30
158.0	1437.5395	1514.1984	1594.7857	-2.18	-5.06	5.32	-2.44	2.32
159.0	1406.3237	1481.6399	1560.8337	-2.17	-5.08	5.35	-2.46	2.34
160.0	1375.9252	1449.9271	1527.7563	-2.16	-5.10	5.37	-2.49	2.36
161.0	1346.3193	1419.0345	1495.5275	-2.15	-5.12	5.39	-2.51	2.38
162.0	1317.4821	1388.9375	1464.1220	-2.14	-5.14	5.41	-2.53	2.41
163.0	1289.3907	1359.6126	1433.5155	-2.13	-5.16	5.44	-2.55	2.43
164.0	1262.0226	1331.0367	1403.6845	-2.12	-5.18	5.46	-2.58	2.45
165.0	1235.3564	1303.1878	1374.6062	-2.11	-5.21	5.48	-2.60	2.47
166.0	1209.3713	1276.0444	1346.2587	-2.10	-5.22	5.50	-2.62	2.49
167.0	1184.0471	1249.5859	1318.6205	-2.09	-5.24	5.52	-2.64	2.51
168.0	1159.3644	1223.7923	1291.6713	-2.08	-5.26	5.55	-2.67	2.53
169.0	1135.3045	1198.6441	1265.3910	-2.07	-5.28	5.57	-2.69	2.55
170.0	1111.8491	1174.1228	1239.7604	-2.06	-5.30	5.59	-2.71	2.57
171.0	1088.9806	1150.2101	1214.7609	-2.05	-5.32	5.61	-2.73	2.59
172.0	1066.6821	1126.8887	1190.3744	-2.04	-5.34	5.63	-2.76	2.61
173.0	1044.9371	1104.1415	1166.5836	-2.03	-5.36	5.66	-2.78	2.64
174.0	1023.7297	1081.9521	1143.3714	-2.03	-5.38	5.68	-2.80	2.66
175.0	1003.0445	1060.3047	1120.7217	-2.02	-5.40	5.70	-2.83	2.68
176.0	982.8666	1039.1840	1098.6185	-2.01	-5.42	5.72	-2.85	2.70
177.0	963.1815	1018.5750	1077.0465	-2.00	-5.44	5.74	-2.87	2.72
178.0	943.9754	998.4634	1055.9910	-1.99	-5.46	5.76	-2.90	2.74
179.0	925.2347	978.8353	1035.4375	-1.98	-5.48	5.78	-2.92	2.76
180.0	906.9463	959.6771	1015.3721	-1.97	-5.49	5.80	-2.94	2.79
181.0	889.0975	940.9757	995.7814	-1.96	-5.51	5.82	-2.97	2.81
182.0	871.6762	922.7186	976.6523	-1.95	-5.53	5.85	-2.99	2.83
183.0	854.6703	904.8935	957.9721	-1.95	-5.55	5.87	-3.01	2.85
184.0	838.0685	887.4884	939.7286	-1.94	-5.57	5.89	-3.04	2.87
185.0	821.8595	870.4919	921.9099	-1.93	-5.59	5.91	-3.06	2.90
186.0	806.0326	853.8929	904.5045	-1.92	-5.60	5.93	-3.09	2.92

187.0	790.5773	837.6804	887.5012	-1.91	-5.62	5.95	-3.11	2.94
188.0	775.4835	821.8441	870.8893	-1.90	-5.64	5.97	-3.13	2.96
189.0	760.7413	806.3738	854.6581	-1.90	-5.66	5.99	-3.16	2.98
190.0	746.3412	791.2596	838.7976	-1.89	-5.68	6.01	-3.18	3.01
191.0	732.2739	776.4920	823.2979	-1.88	-5.69	6.03	-3.21	3.03
192.0	718.5306	762.0618	808.1494	-1.87	-5.71	6.05	-3.23	3.05
193.0	705.1026	747.9599	793.3429	-1.86	-5.73	6.07	-3.26	3.07
194.0	691.9814	734.1777	778.8692	-1.86	-5.75	6.09	-3.28	3.10
195.0	679.1588	720.7067	764.7198	-1.85	-5.76	6.11	-3.30	3.12
196.0	666.6270	707.5387	750.8862	-1.84	-5.78	6.13	-3.33	3.14
197.0	654.3783	694.6659	737.3600	-1.83	-5.80	6.15	-3.35	3.17
198.0	642.4052	682.0803	724.1333	-1.82	-5.82	6.17	-3.38	3.19
199.0	630.7006	669.7747	711.1985	-1.82	-5.83	6.18	-3.40	3.21
200.0	619.2573	657.7417	698.5479	-1.81	-5.85	6.20	-3.43	3.23
201.0	608.0686	645.9743	686.1743	-1.80	-5.87	6.22	-3.45	3.26
202.0	597.1279	634.4656	674.0705	-1.79	-5.88	6.24	-3.48	3.28
203.0	586.4287	623.2090	662.2298	-1.79	-5.90	6.26	-3.51	3.30
204.0	575.9649	612.1980	650.6454	-1.78	-5.92	6.28	-3.53	3.33
205.0	565.7304	601.4265	639.3109	-1.77	-5.94	6.30	-3.56	3.35
206.0	555.7194	590.8882	628.2198	-1.76	-5.95	6.32	-3.58	3.37
207.0	545.9261	580.5773	617.3662	-1.76	-5.97	6.34	-3.61	3.40
208.0	536.3451	570.4881	606.7440	-1.75	-5.98	6.36	-3.63	3.42
209.0	526.9708	560.6150	596.3476	-1.74	-6.00	6.37	-3.66	3.44
210.0	517.7983	550.9526	586.1712	-1.73	-6.02	6.39	-3.68	3.47
211.0	508.8223	541.4956	576.2094	-1.73	-6.03	6.41	-3.71	3.49
212.0	500.0379	532.2389	566.4570	-1.72	-6.05	6.43	-3.74	3.52
213.0	491.4404	523.1776	556.9087	-1.71	-6.07	6.45	-3.76	3.54
214.0	483.0251	514.3068	547.5596	-1.71	-6.08	6.47	-3.79	3.56
215.0	474.7875	505.6218	538.4048	-1.70	-6.10	6.48	-3.81	3.59
216.0	466.7232	497.1181	529.4396	-1.69	-6.11	6.50	-3.84	3.61
217.0	458.8280	488.7913	520.6593	-1.69	-6.13	6.52	-3.87	3.64
218.0	451.0976	480.6370	512.0595	-1.68	-6.15	6.54	-3.89	3.66
219.0	443.5282	472.6510	503.6358	-1.67	-6.16	6.56	-3.92	3.68
220.0	436.1156	464.8293	495.3840	-1.67	-6.18	6.57	-3.95	3.71
221.0	428.8562	457.1680	487.3000	-1.66	-6.19	6.59	-3.97	3.73
222.0	421.7463	449.6630	479.3798	-1.65	-6.21	6.61	-4.00	3.76
223.0	414.7821	442.3108	471.6194	-1.65	-6.22	6.63	-4.03	3.78
224.0	407.9603	435.1077	464.0152	-1.64	-6.24	6.64	-4.05	3.81
225.0	401.2774	428.0501	456.5633	-1.63	-6.25	6.66	-4.08	3.83
226.0	394.7301	421.1345	449.2603	-1.63	-6.27	6.68	-4.11	3.86
227.0	388.3152	414.3577	442.1026	-1.62	-6.29	6.70	-4.14	3.88
228.0	382.0295	407.7163	435.0868	-1.61	-6.30	6.71	-4.16	3.91

229.0	375.8700	401.2072	428.2096	-1.61	-6.32	6.73	-4.19	3.93
230.0	369.8336	394.8273	421.4678	-1.60	-6.33	6.75	-4.22	3.96
231.0	363.9176	388.5735	414.8583	-1.59	-6.35	6.76	-4.25	3.98
232.0	358.1191	382.4429	408.3780	-1.59	-6.36	6.78	-4.27	4.01
233.0	352.4354	376.4328	402.0239	-1.58	-6.37	6.80	-4.30	4.03
234.0	346.8637	370.5402	395.7932	-1.57	-6.39	6.82	-4.33	4.06
235.0	341.4016	364.7625	389.6830	-1.57	-6.40	6.83	-4.36	4.08
236.0	336.0464	359.0971	383.6906	-1.56	-6.42	6.85	-4.38	4.11
237.0	330.7957	353.5413	377.8132	-1.56	-6.43	6.87	-4.41	4.13
238.0	325.6471	348.0928	372.0484	-1.55	-6.45	6.88	-4.44	4.16
239.0	320.5983	342.7490	366.3935	-1.54	-6.46	6.90	-4.47	4.19
240.0	315.6469	337.5076	360.8462	-1.54	-6.48	6.91	-4.50	4.21
241.0	310.7909	332.3663	355.4039	-1.53	-6.49	6.93	-4.52	4.24
242.0	306.0280	327.3228	350.0643	-1.53	-6.51	6.95	-4.55	4.26
243.0	301.3561	322.3749	344.8252	-1.52	-6.52	6.96	-4.58	4.29
244.0	296.7732	317.5205	339.6843	-1.51	-6.53	6.98	-4.61	4.31
245.0	292.2773	312.7576	334.6394	-1.51	-6.55	7.00	-4.64	4.34
246.0	287.8664	308.0840	329.6885	-1.50	-6.56	7.01	-4.67	4.37
247.0	283.5387	303.4978	324.8294	-1.50	-6.58	7.03	-4.70	4.39
248.0	279.2922	298.9971	320.0602	-1.49	-6.59	7.04	-4.72	4.42
249.0	275.1253	294.5800	315.3789	-1.49	-6.60	7.06	-4.75	4.45
250.0	271.0361	290.2447	310.7836	-1.48	-6.62	7.08	-4.78	4.47
251.0	267.0230	285.9894	306.2723	-1.47	-6.63	7.09	-4.81	4.50
252.0	263.0842	281.8123	301.8434	-1.47	-6.65	7.11	-4.84	4.53
253.0	259.2181	277.7117	297.4950	-1.46	-6.66	7.12	-4.87	4.55
254.0	255.4232	273.6860	293.2253	-1.46	-6.67	7.14	-4.90	4.58
255.0	251.6979	269.7336	289.0328	-1.45	-6.69	7.15	-4.93	4.61
256.0	248.0408	265.8529	284.9157	-1.45	-6.70	7.17	-4.96	4.63
257.0	244.4502	262.0424	280.8725	-1.44	-6.71	7.19	-4.99	4.66
258.0	240.9249	258.3005	276.9015	-1.44	-6.73	7.20	-5.02	4.69
259.0	237.4634	254.6258	273.0013	-1.43	-6.74	7.22	-5.05	4.71
260.0	234.0643	251.0169	269.1704	-1.42	-6.75	7.23	-5.08	4.74
261.0	230.7263	247.4723	265.4072	-1.42	-6.77	7.25	-5.11	4.77
262.0	227.4481	243.9908	261.7105	-1.41	-6.78	7.26	-5.14	4.79
263.0	224.2285	240.5710	258.0787	-1.41	-6.79	7.28	-5.17	4.82
264.0	221.0662	237.2115	254.5106	-1.40	-6.81	7.29	-5.20	4.85
265.0	217.9600	233.9112	251.0047	-1.40	-6.82	7.31	-5.23	4.88
266.0	214.9087	230.6688	247.5600	-1.39	-6.83	7.32	-5.26	4.90
267.0	211.9112	227.4831	244.1749	-1.39	-6.85	7.34	-5.29	4.93
268.0	208.9664	224.3530	240.8485	-1.38	-6.86	7.35	-5.32	4.96
269.0	206.0731	221.2772	237.5793	-1.38	-6.87	7.37	-5.35	4.99
270.0	203.2303	218.2547	234.3664	-1.37	-6.88	7.38	-5.38	5.01

271.0	200.4369	215.2843	231.2084	-1.37	-6.90	7.40	-5.41	5.04
272.0	197.6920	212.3651	228.1044	-1.36	-6.91	7.41	-5.44	5.07
273.0	194.9945	209.4959	225.0532	-1.36	-6.92	7.43	-5.47	5.10
274.0	192.3435	206.6757	222.0537	-1.35	-6.93	7.44	-5.50	5.13
275.0	189.7380	203.9036	219.1049	-1.35	-6.95	7.46	-5.53	5.15
276.0	187.1771	201.1786	216.2058	-1.34	-6.96	7.47	-5.56	5.18
277.0	184.6599	198.4997	213.3554	-1.34	-6.97	7.48	-5.59	5.21
278.0	182.1855	195.8660	210.5527	-1.33	-6.98	7.50	-5.62	5.24
279.0	179.7530	193.2766	207.7968	-1.33	-7.00	7.51	-5.66	5.27
280.0	177.3617	190.7306	205.0867	-1.32	-7.01	7.53	-5.69	5.30
281.0	175.0106	188.2271	202.4216	-1.32	-7.02	7.54	-5.72	5.32
282.0	172.6989	185.7654	199.8005	-1.31	-7.03	7.56	-5.75	5.35
283.0	170.4260	183.3445	197.2226	-1.31	-7.05	7.57	-5.78	5.38
284.0	168.1909	180.9637	194.6870	-1.30	-7.06	7.58	-5.81	5.41
285.0	165.9931	178.6222	192.1929	-1.30	-7.07	7.60	-5.84	5.44
286.0	164	176	190	-1.30	-7.08	7.61	-5.88	5.47
287.0	162	174	187	-1.29	-7.09	7.63	-5.91	5.50
288.0	160	172	185	-1.29	-7.11	7.64	-5.94	5.53
289.0	158	170	183	-1.28	-7.12	7.65	-5.97	5.55
290.0	156	167	180	-1.28	-7.13	7.67	-6.00	5.58
291.0	154	165	178	-1.27	-7.14	7.68	-6.04	5.61
292.0	152	163	176	-1.27	-7.15	7.69	-6.07	5.64
293.0	150	161	174	-1.26	-7.17	7.71	-6.10	5.67
294.0	148	159	171	-1.26	-7.18	7.72	-6.13	5.70
295.0	146	157	169	-1.25	-7.19	7.73	-6.16	5.73
296.0	144	155	167	-1.25	-7.20	7.75	-6.20	5.76
297.0	142	153	165	-1.25	-7.21	7.76	-6.23	5.79
298.0	140	151	163	-1.24	-7.22	7.78	-6.26	5.82
299.0	139	150	161	-1.24	-7.24	7.79	-6.30	5.85
300.0	137	148	159	-1.23	-7.25	7.80	-6.33	5.88