

风云四号 A 星光谱响应参数

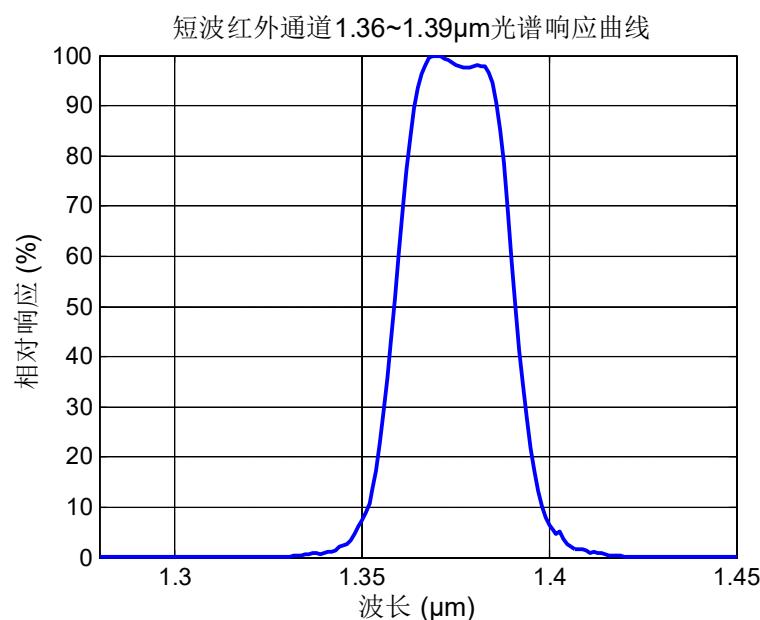
国家卫星气象中心

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1. 红外通道光谱响应数据

1.1. 短波红外通道 1.36~1.39 μm



波长/ μ m	相对响应/%
1.28	0.0049
1.281	0.0052
1.282	0.0036
1.283	0.0073
1.284	0.0055
1.285	0.0049
1.286	0.0058
1.287	0.0054
1.288	0.0045
1.289	0.0032
1.29	0.0048
1.291	0.0043
1.292	0.0056
1.293	0.0056
1.294	0.0063
1.295	0.0062
1.296	0.0031
1.297	0.0058
1.298	0.0051
1.299	0.0061

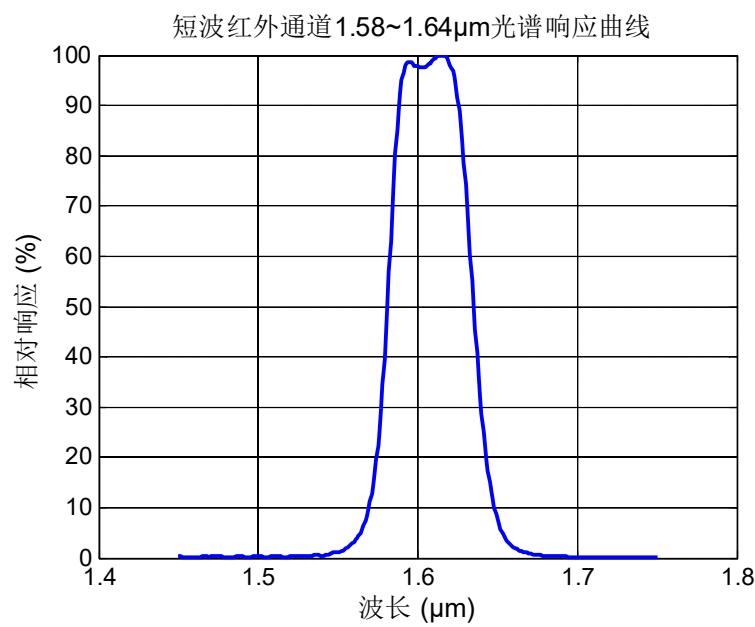
1.3	0.006
1.301	0.0051
1.302	0.0053
1.303	0.0036
1.304	0.0052
1.305	0.0043
1.306	0.0043
1.307	0.0057
1.308	0.0044
1.309	0.0057
1.31	0.0052
1.311	0.0058
1.312	0.0059
1.313	0.0057
1.314	0.0065
1.315	0.0042
1.316	0.0038
1.317	0.0051
1.318	0.0077
1.319	0.0052
1.32	0.0043
1.321	0.004
1.322	0.0064
1.323	0.0049
1.324	0.0038
1.325	0.0047
1.326	0.0058
1.327	0.003
1.328	0.1128
1.329	0.2154
1.33	0.2198
1.331	0.2269
1.332	0.3639
1.333	0.4
1.334	0.4911
1.335	0.5423
1.336	0.6592
1.337	0.8097
1.338	0.7785
1.339	0.7332
1.34	0.9081
1.341	1.0276
1.342	1.1379

1.343	1.4352
1.344	2.1958
1.345	2.2918
1.346	2.6044
1.347	3.4386
1.348	4.6253
1.349	6.2844
1.35	7.5447
1.351	8.9332
1.352	10.7653
1.353	13.3914
1.354	17.3707
1.355	22.7541
1.356	29.0845
1.357	35.7653
1.358	43.7295
1.359	51.6889
1.36	60.7595
1.361	69.1788
1.362	77.1975
1.363	83.4743
1.364	89.5565
1.365	93.5022
1.366	96.3669
1.367	98.1926
1.368	99.592
1.369	99.9203
1.37	100
1.371	99.8342
1.372	99.4857
1.373	99.1429
1.374	98.5131
1.375	98.1043
1.376	97.9715
1.377	97.5541
1.378	97.7042
1.379	97.6756
1.38	97.9434
1.381	98.1528
1.382	97.8246
1.383	97.7534
1.384	96.688
1.385	94.4934

1.386	90.5294
1.387	85.1423
1.388	78.5929
1.389	69.3726
1.39	59.1225
1.391	50.0888
1.392	41.3282
1.393	34.5743
1.394	27.9856
1.395	21.8233
1.396	17.2162
1.397	13.1425
1.398	10.156
1.399	7.9965
1.4	6.3426
1.401	5.5059
1.402	4.5882
1.403	5.1716
1.404	3.6463
1.405	2.5884
1.406	2.057
1.407	1.7536
1.408	1.6172
1.409	1.6631
1.41	1.3279
1.411	0.9674
1.412	1.0555
1.413	0.95
1.414	0.8095
1.415	0.5764
1.416	0.3996
1.417	0.3168
1.418	0.4053
1.419	0.2826
1.42	0.2085
1.421	0.1733
1.422	0.0145
1.423	0.0143
1.424	0.01
1.425	0.0186
1.426	0.0165
1.427	0.0161
1.428	0.0168

1.429	0.0219
1.43	0.0127
1.431	0.0192
1.432	0.0171
1.433	0.0182
1.434	0.013
1.435	0.0186
1.436	0.0175
1.437	0.01
1.438	0.0131
1.439	0.0133
1.44	0.015
1.441	0.015
1.442	0.0153
1.443	0.014
1.444	0.0165
1.445	0.0192
1.446	0.0138
1.447	0.0157
1.448	0.0171
1.449	0.0195
1.45	0.0147

1.2. 短波红外通道 1.58~1.64 μm



波长/ μ m	相对响应/%
1.45	0.3389
1.451	0.2688
1.452	0.2019
1.453	0.1645
1.454	0.1722
1.455	0.1872
1.456	0.171
1.457	0.1375
1.458	0.1103
1.459	0.0945
1.46	0.0929
1.461	0.1067
1.462	0.1388
1.463	0.186
1.464	0.2413
1.465	0.2832
1.466	0.2928
1.467	0.2772
1.468	0.2526
1.469	0.2414
1.47	0.2607
1.471	0.2999
1.472	0.3422
1.473	0.377
1.474	0.3944
1.475	0.3814
1.476	0.3311
1.477	0.2614
1.478	0.197
1.479	0.1588
1.48	0.1597
1.481	0.1832
1.482	0.208
1.483	0.2259
1.484	0.2352
1.485	0.2483
1.486	0.277
1.487	0.3144
1.488	0.3457
1.489	0.3475
1.49	0.3056
1.491	0.2499

1.492	0.2141
1.493	0.1984
1.494	0.1964
1.495	0.2087
1.496	0.2362
1.497	0.2703
1.498	0.3019
1.499	0.3279
1.5	0.3426
1.501	0.3328
1.502	0.2906
1.503	0.2365
1.504	0.1976
1.505	0.1843
1.506	0.1996
1.507	0.2299
1.508	0.2608
1.509	0.2949
1.51	0.3353
1.511	0.3658
1.512	0.3687
1.513	0.3378
1.514	0.2777
1.515	0.2211
1.516	0.1981
1.517	0.1997
1.518	0.2115
1.519	0.2344
1.52	0.2692
1.521	0.3035
1.522	0.3264
1.523	0.3443
1.524	0.3647
1.525	0.3733
1.526	0.3571
1.527	0.3305
1.528	0.3124
1.529	0.3073
1.53	0.3156
1.531	0.3327
1.532	0.3553
1.533	0.3947
1.534	0.4601

1.535	0.527
1.536	0.5685
1.537	0.5706
1.538	0.5302
1.539	0.4841
1.54	0.4734
1.541	0.4975
1.542	0.5469
1.543	0.613
1.544	0.6939
1.545	0.7873
1.546	0.8994
1.547	1.0135
1.548	1.1115
1.549	1.1717
1.55	1.1878
1.551	1.2156
1.552	1.3174
1.553	1.4699
1.554	1.6386
1.555	1.8361
1.556	2.0567
1.557	2.2971
1.558	2.5558
1.559	2.8734
1.56	3.2677
1.561	3.6637
1.562	4.0183
1.563	4.3968
1.564	4.8992
1.565	5.5718
1.566	6.3951
1.567	7.3384
1.568	8.4261
1.569	9.6497
1.57	11.1322
1.571	12.8268
1.572	14.7782
1.573	16.9677
1.574	19.4546
1.575	22.3556
1.576	25.7853
1.577	29.7572

1.578	34.3653
1.579	39.5154
1.58	45.0029
1.581	50.7547
1.582	56.854
1.583	62.9782
1.584	69.2339
1.585	75.0046
1.586	80.5127
1.587	85.3239
1.588	89.2898
1.589	92.6292
1.59	95.0112
1.591	96.6324
1.592	97.7469
1.593	98.387
1.594	98.6336
1.595	98.6807
1.596	98.529
1.597	98.2457
1.598	97.9633
1.599	97.9047
1.6	97.7549
1.601	97.6064
1.602	97.7259
1.603	97.5767
1.604	97.5935
1.605	97.6639
1.606	98.1215
1.607	98.286
1.608	98.4479
1.609	98.8848
1.61	99.2962
1.611	99.4289
1.612	99.77
1.613	99.9468
1.614	99.8784
1.615	100
1.616	99.9044
1.617	99.7681
1.618	99.5311
1.619	98.8719
1.62	98.1578

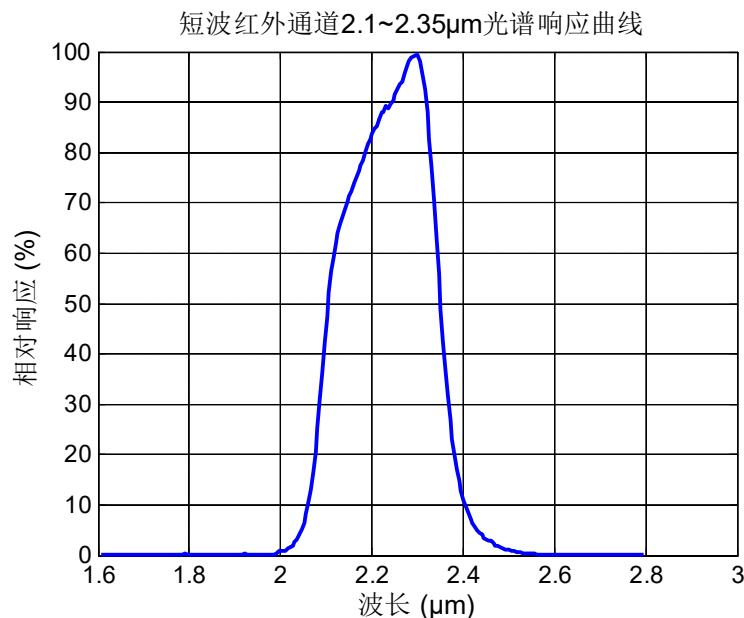
1.621	97.6989
1.622	96.8596
1.623	95.4964
1.624	93.6853
1.625	91.5208
1.626	89.078
1.627	86.0372
1.628	82.6581
1.629	78.6438
1.63	74.4737
1.631	69.8982
1.632	65.1324
1.633	60.1069
1.634	55.1142
1.635	50.2247
1.636	45.2302
1.637	40.7544
1.638	36.3148
1.639	32.3102
1.64	28.5679
1.641	25.2343
1.642	22.2553
1.643	19.5316
1.644	17.1971
1.645	15.1265
1.646	13.2704
1.647	11.6165
1.648	10.0922
1.649	8.7491
1.65	7.6152
1.651	6.6387
1.652	5.7776
1.653	5.0232
1.654	4.3853
1.655	3.818
1.656	3.3258
1.657	2.9182
1.658	2.6042
1.659	2.3788
1.66	2.1878
1.661	1.9949
1.662	1.7845
1.663	1.5944

1.664	1.4486
1.665	1.337
1.666	1.2513
1.667	1.1748
1.668	1.0875
1.669	0.9961
1.67	0.9092
1.671	0.8076
1.672	0.6885
1.673	0.5885
1.674	0.5348
1.675	0.5175
1.676	0.5143
1.677	0.5077
1.678	0.4883
1.679	0.4652
1.68	0.4462
1.681	0.4214
1.682	0.3847
1.683	0.3519
1.684	0.3338
1.685	0.3275
1.686	0.3237
1.687	0.3105
1.688	0.2826
1.689	0.2609
1.69	0.261
1.691	0.269
1.692	0.2698
1.693	0.261
1.694	0.2448
1.695	0.2334
1.696	0.2342
1.697	0.2386
1.698	0.2375
1.699	0.2314
1.7	0.2236
1.701	0.2187
1.702	0.2198
1.703	0.2242
1.704	0.2278
1.705	0.2254
1.706	0.2157

1.707	0.2084
1.708	0.2106
1.709	0.2162
1.71	0.2187
1.711	0.2177
1.712	0.2141
1.713	0.2114
1.714	0.212
1.715	0.2143
1.716	0.2162
1.717	0.2159
1.718	0.2129
1.719	0.2099
1.72	0.2092
1.721	0.2109
1.722	0.2136
1.723	0.2139
1.724	0.2098
1.725	0.2061
1.726	0.2068
1.727	0.2091
1.728	0.2101
1.729	0.2105
1.73	0.2108
1.731	0.2102
1.732	0.2083
1.733	0.2067
1.734	0.2071
1.735	0.2083
1.736	0.2093
1.737	0.2104
1.738	0.2114
1.739	0.2111
1.74	0.2085
1.741	0.2062
1.742	0.2063
1.743	0.2072
1.744	0.2075
1.745	0.2076
1.746	0.2083
1.747	0.2091
1.748	0.2094
1.749	0.2096

1.75	0.2099
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1.3. 短波红外通道 2.1~2.35 μm



波长/ μm	相对响应/%
1.606	0.0654
1.611	0.132179
1.616	0.09
1.621	0.155449
1.626	0.1701
1.631	0.185946
1.636	0.0722
1.641	0.055288
1.646	0.1482
1.651	0.173731
1.656	0.1926
1.661	0.121216
1.666	0.0525
1.671	0.122029
1.676	0.0651
1.681	0.068849
1.686	0.1104
1.691	0.100767
1.696	0.1439
1.701	0.152058

1.706	0.1295
1.711	0.116904
1.716	0.0845
1.721	0.104628
1.726	0.132
1.731	0.189952
1.736	0.0533
1.741	0.060001
1.746	0.2327
1.751	0.085596
1.756	0.109
1.761	0.101054
1.766	0.0629
1.771	0.15123
1.776	0.1654
1.781	0.133317
1.786	0.0831
1.791	0.268229
1.796	0.0928
1.801	0.101115
1.806	0.0989
1.811	0.062322
1.816	0.0583
1.821	0.095961
1.826	0.2054
1.831	0.150337
1.836	0.1034
1.841	0.098567
1.846	0.1875
1.851	0.124581
1.856	0.1279
1.861	0.126376
1.866	0.137
1.871	0.095606
1.876	0.0891
1.881	0.131531
1.886	0.0871
1.891	0.085197
1.896	0.0575
1.901	0.144029
1.906	0.1131
1.911	0.251298
1.916	0.1274

1.921	0.270053
1.926	0.183
1.931	0.093207
1.936	0.0562
1.941	0.046097
1.946	0.1668
1.951	0.098664
1.956	0.1517
1.961	0.100041
1.966	0.1676
1.971	0.112322
1.976	0.1471
1.981	0.139401
1.986	0.1595
1.991	0.456959
1.996	0.8081
2.001	0.821159
2.006	0.7822
2.011	0.978706
2.016	1.2871
2.021	1.52833
2.026	1.9356
2.031	2.539601
2.036	3.1592
2.041	4.068045
2.046	5.1323
2.051	6.439467
2.056	8.128
2.061	10.35756
2.066	13.0879
2.071	16.51743
2.076	20.595
2.081	25.16709
2.086	30.8539
2.091	36.34433
2.096	42.278
2.101	47.24476
2.106	52.2673
2.111	56.33881
2.116	59.298
2.121	62.16619
2.126	64.1372
2.131	65.74532

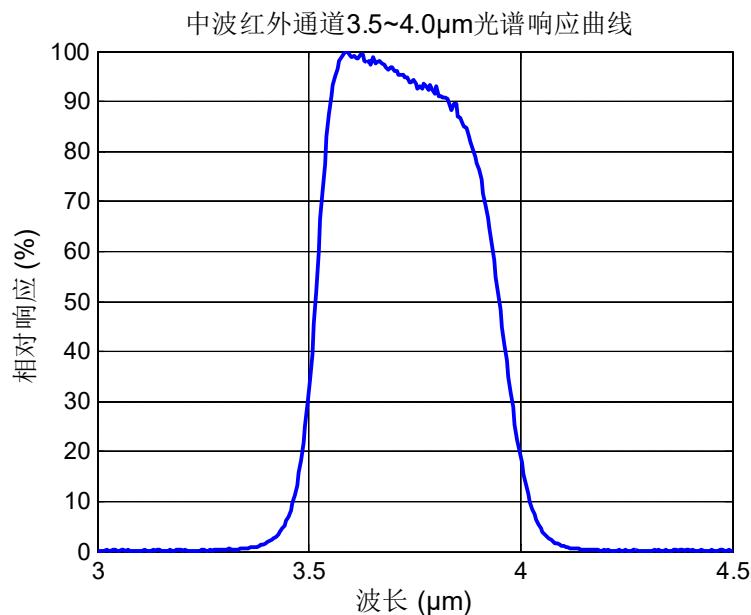
2.136	67.3786
2.141	68.73121
2.146	70.3778
2.151	71.38305
2.156	72.3924
2.161	73.74387
2.166	75.017
2.171	76.33731
2.176	77.3962
2.181	78.46423
2.186	80.2782
2.191	81.65336
2.196	82.7902
2.201	83.7744
2.206	84.8043
2.211	85.29148
2.216	86.6183
2.221	87.95156
2.226	88.0426
2.231	89.32186
2.236	88.8479
2.241	89.8401
2.246	90.3956
2.251	91.53855
2.256	92.5603
2.261	93.48816
2.266	94.0701
2.271	95.80711
2.276	96.7089
2.281	98.04768
2.286	98.9892
2.291	99.1897
2.296	99.2764
2.301	99.25057
2.306	98.0428
2.311	95.24856
2.316	92.5812
2.321	87.88898
2.326	82.7733
2.331	77.04063
2.336	70.6243
2.341	62.91082
2.346	56.0377

2.351	48.8902
2.356	42.2161
2.361	36.62343
2.366	31.3159
2.371	26.92672
2.376	23.1745
2.381	19.99006
2.386	17.1252
2.391	14.82219
2.396	12.6794
2.401	11.04057
2.406	9.7444
2.411	8.341737
2.416	7.1649
2.421	6.330603
2.426	5.6924
2.431	4.968775
2.436	4.3095
2.441	4.043052
2.446	3.5326
2.451	3.120332
2.456	3.0235
2.461	2.791712
2.466	2.2908
2.471	1.821052
2.476	1.8022
2.481	1.539045
2.486	1.3845
2.491	1.234552
2.496	1.1796
2.501	1.170545
2.506	0.9834
2.511	0.972124
2.516	0.7328
2.521	0.661186
2.526	0.6396
2.531	0.458096
2.536	0.3862
2.541	0.43839
2.546	0.291
2.551	0.253441
2.556	0.2835
2.561	0.204327

2.566	0.1948
2.571	0.121125
2.576	0.0657
2.581	0.172315
2.586	0.0818
2.591	0.143423
2.596	0.1819
2.601	0.23162
2.606	0.0764
2.611	0.063427
2.616	0.0253
2.621	0.103586
2.626	0.0911
2.631	0.108234
2.636	0.1656
2.641	0.186905
2.646	0.0432
2.651	0.114607
2.656	0.0571
2.661	0.127431
2.666	0.0848
2.671	0.084085
2.676	0.086
2.681	0.102036
2.686	0.1724
2.691	0.099394
2.696	0.0801
2.701	0.088777
2.706	0.1475
2.711	0.11372
2.716	0.0998
2.721	0.082201
2.726	0.0803
2.731	0.119197
2.736	0.0965
2.741	0.061238
2.746	0.132
2.751	0.181757
2.756	0.0698
2.761	0.150606
2.766	0.1409
2.771	0.070027
2.776	0.1107

2.781	0.144273
2.786	0.0804
2.791	0.046457
2.796	0.0634

1.4. 中波红外通道 3.5~4.0 μm



波长/μm	相对响应/%
3.002	0.1725
3.007	0.191840109
3.012	0.1645
3.017	0.19835122
3.022	0.2574
3.027	0.189338768
3.032	0.132
3.037	0.263118059
3.042	0.3085
3.047	0.182723959
3.052	0.1945
3.057	0.265910921
3.062	0.2613
3.067	0.140619222
3.072	0.3852
3.077	0.230609603
3.082	0.1587

3.087	0.225227865
3.092	0.1968
3.097	0.226466448
3.102	0.1984
3.107	0.228388884
3.112	0.3165
3.117	0.180144378
3.122	0.1832
3.127	0.20799361
3.132	0.3683
3.137	0.208082165
3.142	0.311
3.147	0.270394046
3.152	0.2202
3.157	0.210028526
3.162	0.1494
3.167	0.241078475
3.172	0.2592
3.177	0.200930695
3.182	0.1865
3.187	0.32977327
3.192	0.2707
3.197	0.263309172
3.202	0.1801
3.207	0.269498643
3.212	0.1525
3.217	0.200348387
3.222	0.1948
3.227	0.246956815
3.232	0.1984
3.237	0.220205155
3.242	0.1897
3.247	0.275048514
3.252	0.2599
3.257	0.237208451
3.262	0.2167
3.267	0.341570355
3.272	0.2367
3.277	0.267892184
3.282	0.3696
3.287	0.283850756
3.292	0.3133
3.297	0.275072759

3.302	0.4687
3.307	0.398946603
3.312	0.517
3.317	0.356611873
3.322	0.3976
3.327	0.437856997
3.332	0.4854
3.337	0.570934615
3.342	0.6123
3.347	0.565481836
3.352	0.6314
3.357	0.679503831
3.362	0.7636
3.367	0.848006865
3.372	0.8472
3.377	0.9733132
3.382	1.1327
3.387	1.265311339
3.392	1.3564
3.397	1.591189575
3.402	1.7994
3.407	2.02157361
3.412	2.2912
3.417	2.658004608
3.422	2.9316
3.427	3.340364909
3.432	3.8637
3.437	4.590776607
3.442	5.2294
3.447	6.107133968
3.452	7.0172
3.457	8.181730707
3.462	9.7153
3.467	11.354822
3.472	13.1751
3.477	15.85746626
3.482	18.4251
3.487	21.80661863
3.492	25.1607
3.497	29.49354836
3.502	34.1209
3.507	39.44621618
3.512	45.5131

3.517	52.2310587
3.522	59.975
3.527	66.5303725
3.532	72.2068
3.537	77.42352864
3.542	82.9028
3.547	87.62240633
3.552	91.053
3.557	93.37176281
3.562	95.1613
3.567	96.4991179
3.572	98.0649
3.577	98.91653969
3.582	99.5674
3.587	99.77152306
3.592	100
3.597	99.22031196
3.602	98.8607
3.607	99.13324028
3.612	98.62
3.617	98.62752638
3.622	99.4652
3.627	99.25893825
3.632	98.096
3.637	97.89989187
3.642	98.1323
3.647	97.44261046
3.652	98.773
3.657	97.71851086
3.662	97.919
3.667	98.18726783
3.672	97.6787
3.677	97.27229403
3.682	96.9595
3.687	96.34826563
3.692	96.8299
3.697	96.91293993
3.702	96.1901
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3.712	95.2092
3.717	95.24971029
3.722	95.2922
3.727	94.71424733

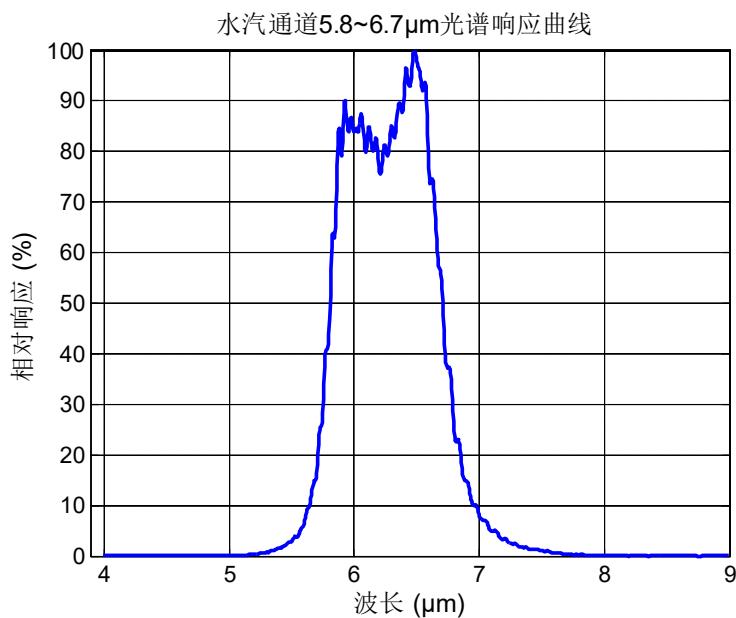
3.732	94.7213
3.737	93.88017159
3.742	93.6987
3.747	94.24234487
3.752	93.646
3.757	92.51048941
3.762	93.0435
3.767	92.46316318
3.772	93.5917
3.777	93.14269331
3.782	92.3652
3.787	93.27168058
3.792	92.2402
3.797	91.56685494
3.802	93.1781
3.807	91.10307789
3.812	90.9332
3.817	90.83404115
3.822	90.7381
3.827	90.64253231
3.832	89.7361
3.837	88.25644106
3.842	89.4159
3.847	89.40473815
3.852	86.9267
3.857	86.80232694
3.862	85.5909
3.867	84.86443129
3.872	84.7689
3.877	83.00770403
3.882	81.9041
3.887	80.37749095
3.892	78.8163
3.897	77.68842371
3.902	76.3751
3.907	74.25161742
3.912	71.5357
3.917	69.26906396
3.922	66.8462
3.927	64.77031373
3.932	61.5767
3.937	58.11017274
3.942	54.9301

3.947	51.76028741
3.952	48.4839
3.957	44.91828192
3.962	41.162
3.967	38.20704213
3.972	34.9648
3.977	31.57660067
3.982	28.7907
3.987	25.42012143
3.992	22.4717
3.997	20.13874395
4.002	17.7971
4.007	15.50116111
4.012	13.5394
4.017	11.4029003
4.022	9.9551
4.027	8.471550296
4.032	7.3812
4.037	6.332497892
4.042	5.3771
4.047	4.605613748
4.052	3.9793
4.057	3.372535884
4.062	2.9466
4.067	2.622768657
4.072	2.3556
4.077	1.883793719
4.082	1.6447
4.087	1.533616182
4.092	1.2882
4.097	1.129652983
4.102	1.0208
4.107	0.934723933
4.112	0.8974
4.117	0.737106898
4.122	0.7012
4.127	0.689857198
4.132	0.575
4.137	0.520894563
4.142	0.4267
4.147	0.408453942
4.152	0.3975
4.157	0.390226602

4.162	0.2917
4.167	0.374460935
4.172	0.3663
4.177	0.277068822
4.182	0.3085
4.187	0.241549491
4.192	0.2317
4.197	0.263912225
4.202	0.1896
4.207	0.258224614
4.212	0.2312
4.217	0.166980012
4.222	0.185
4.227	0.215133902
4.232	0.4009
4.237	0.222324769
4.242	0.1803
4.247	0.258695829
4.252	0.1816
4.257	0.161132624
4.262	0.1867
4.267	0.357134075
4.272	0.2539
4.277	0.208596909
4.282	0.1886
4.287	0.246028987
4.292	0.1997
4.297	0.189166691
4.302	0.2389
4.307	0.198199164
4.312	0.1608
4.317	0.253325809
4.322	0.2094
4.327	0.263390154
4.332	0.2227
4.337	0.213965359
4.342	0.3085
4.347	0.172227478
4.352	0.1861
4.357	0.192140373
4.362	0.3037
4.367	0.275267422
4.372	0.1808

4.377	0.276445999
4.382	0.2826
4.387	0.240654485
4.392	0.2988
4.397	0.279207042
4.402	0.2326
4.407	0.266259506
4.412	0.2063
4.417	0.221835628
4.422	0.1658
4.427	0.269258005
4.432	0.2268
4.437	0.214943906
4.442	0.1962
4.447	0.152104176
4.452	0.3338
4.457	0.195844895
4.462	0.2213
4.467	0.170092006
4.472	0.2846
4.477	0.258605572
4.482	0.1525
4.487	0.17544907
4.492	0.2875
4.497	0.213205296
4.502	0.2057

1.5. 水汽通道 5.8~6.7 μm



波长/μm	相对响应/%
3.994	0.0962
3.999	0.108
4.004	0.0992
4.009	0.0743
4.014	0.0701
4.019	0.0811
4.024	0.0729
4.029	0.0644
4.034	0.0572
4.039	0.0428
4.044	0.0424
4.049	0.041
4.054	0.0452
4.059	0.0452
4.064	0.0311
4.069	0.0323
4.074	0.0413
4.079	0.052
4.084	0.0655
4.089	0.0752
4.094	0.0801
4.099	0.0939
4.104	0.1042

4.109	0.0932
4.114	0.0857
4.119	0.0709
4.124	0.0584
4.129	0.0703
4.134	0.0986
4.139	0.0968
4.144	0.0639
4.149	0.0416
4.154	0.0493
4.159	0.0489
4.164	0.0499
4.169	0.0875
4.174	0.1171
4.179	0.1154
4.184	0.0966
4.189	0.0777
4.194	0.0502
4.199	0.0383
4.204	0.056
4.209	0.0927
4.214	0.1206
4.219	0.1619
4.224	0.1851
4.229	0.1203
4.234	0.1042
4.239	0.1003
4.244	0.1561
4.249	0.1505
4.254	0.1065
4.259	0.0717
4.264	0.0844
4.269	0.0838
4.274	0.0614
4.279	0.0523
4.284	0.1151
4.289	0.1734
4.294	0.189
4.299	0.1467
4.304	0.0959
4.309	0.0641
4.314	0.069
4.319	0.0742

4.324	0.0721
4.329	0.0734
4.334	0.0731
4.339	0.0722
4.344	0.0692
4.349	0.0606
4.354	0.0593
4.359	0.0775
4.364	0.094
4.369	0.0971
4.374	0.0876
4.379	0.0704
4.384	0.0697
4.389	0.076
4.394	0.0705
4.399	0.0697
4.404	0.0859
4.409	0.104
4.414	0.115
4.419	0.1094
4.424	0.0893
4.429	0.086
4.434	0.0945
4.439	0.087
4.444	0.0767
4.449	0.0625
4.454	0.052
4.459	0.0503
4.464	0.057
4.469	0.0663
4.474	0.0641
4.479	0.054
4.484	0.0586
4.489	0.0783
4.494	0.0889
4.499	0.0895
4.504	0.0879
4.509	0.0868
4.514	0.0748
4.519	0.068
4.524	0.059
4.529	0.0489
4.534	0.0614

4.539	0.0808
4.544	0.0941
4.549	0.0939
4.554	0.0804
4.559	0.0586
4.564	0.0482
4.569	0.0539
4.574	0.0581
4.579	0.0433
4.584	0.0349
4.589	0.0513
4.594	0.0624
4.599	0.0595
4.604	0.0545
4.609	0.0556
4.614	0.0616
4.619	0.061
4.624	0.0713
4.629	0.0817
4.634	0.0852
4.639	0.0787
4.644	0.0669
4.649	0.0599
4.654	0.0643
4.659	0.0689
4.664	0.0697
4.669	0.0761
4.674	0.0871
4.679	0.0963
4.684	0.1041
4.689	0.1109
4.694	0.1119
4.699	0.1035
4.704	0.086
4.709	0.0712
4.714	0.0663
4.719	0.0679
4.724	0.068
4.729	0.0667
4.734	0.0678
4.739	0.0719
4.744	0.0663
4.749	0.0495

4.754	0.0472
4.759	0.0638
4.764	0.0688
4.769	0.0643
4.774	0.0619
4.779	0.0645
4.784	0.0689
4.789	0.0675
4.794	0.0558
4.799	0.0414
4.804	0.032
4.809	0.0422
4.814	0.0645
4.819	0.0759
4.824	0.0891
4.829	0.1061
4.834	0.1059
4.839	0.0939
4.844	0.0936
4.849	0.0937
4.854	0.0751
4.859	0.0578
4.864	0.0585
4.869	0.0553
4.874	0.0528
4.879	0.0579
4.884	0.0719
4.889	0.079
4.894	0.0884
4.899	0.1063
4.904	0.1208
4.909	0.1134
4.914	0.1008
4.919	0.1
4.924	0.0951
4.929	0.079
4.934	0.0821
4.939	0.109
4.944	0.1158
4.949	0.0959
4.954	0.0932
4.959	0.1091
4.964	0.1061

4.969	0.0914
4.974	0.0986
4.979	0.1142
4.984	0.1059
4.989	0.0954
4.994	0.1157
4.999	0.1369
5.004	0.1226
5.009	0.1052
5.014	0.1184
5.019	0.1269
5.024	0.1036
5.029	0.0962
5.034	0.1357
5.039	0.1681
5.044	0.157
5.049	0.1463
5.054	0.1632
5.059	0.1718
5.064	0.155
5.069	0.1508
5.074	0.1755
5.079	0.189
5.084	0.1735
5.089	0.1644
5.094	0.1773
5.099	0.1781
5.104	0.1558
5.109	0.1526
5.114	0.1846
5.119	0.2029
5.124	0.185
5.129	0.1778
5.134	0.2069
5.139	0.2251
5.144	0.2058
5.149	0.2009
5.154	0.2445
5.159	0.2816
5.164	0.2672
5.169	0.2423
5.174	0.2505
5.179	0.269

5.184	0.2697
5.189	0.2787
5.194	0.3286
5.199	0.3792
5.204	0.3724
5.209	0.3431
5.214	0.3654
5.219	0.4197
5.224	0.4298
5.229	0.4015
5.234	0.4124
5.239	0.4726
5.244	0.5118
5.249	0.5021
5.254	0.4898
5.259	0.501
5.264	0.5056
5.269	0.4858
5.274	0.4941
5.279	0.5775
5.284	0.6779
5.289	0.7131
5.294	0.7023
5.299	0.71
5.304	0.7346
5.309	0.7297
5.314	0.7035
5.319	0.733
5.324	0.8425
5.329	0.9428
5.334	0.9666
5.339	0.9634
5.344	1.0007
5.349	1.0545
5.354	1.0662
5.359	1.0603
5.364	1.1147
5.369	1.2369
5.374	1.3461
5.379	1.3909
5.384	1.4141
5.389	1.4558
5.394	1.4803

5.399	1.4459
5.404	1.404
5.409	1.4558
5.414	1.6079
5.419	1.7552
5.424	1.8362
5.429	1.8828
5.434	1.9208
5.439	1.9472
5.444	1.9514
5.449	1.9753
5.454	2.1098
5.459	2.3572
5.464	2.5702
5.469	2.6442
5.474	2.6485
5.479	2.6721
5.484	2.7092
5.489	2.6965
5.494	2.6427
5.499	2.6717
5.504	2.8746
5.509	3.1721
5.514	3.4417
5.519	3.644
5.524	3.7823
5.529	3.841
5.534	3.813
5.539	3.7223
5.544	3.6898
5.549	3.8513
5.554	4.1814
5.559	4.5336
5.564	4.8119
5.569	5.0614
5.574	5.3494
5.579	5.6245
5.584	5.7644
5.589	5.7968
5.594	5.9493
5.599	6.3859
5.604	6.9831
5.609	7.5648

5.614	8.1008
5.619	8.6208
5.624	9.1108
5.629	9.4842
5.634	9.619
5.639	9.6441
5.644	9.8731
5.649	10.4431
5.654	11.2244
5.659	12.1059
5.664	12.9861
5.669	13.7826
5.674	14.4497
5.679	14.856
5.684	14.9282
5.689	14.9515
5.694	15.3384
5.699	16.3683
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5.709	20.039
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5.719	23.8851
5.724	24.8941
5.729	25.3451
5.734	25.442
5.739	25.6263
5.744	26.4426
5.749	28.2172
5.754	30.8421
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5.764	37.3917
5.769	39.7396
5.774	40.6419
5.779	40.6818
5.784	40.602
5.789	40.9031
5.794	41.868
5.799	43.7618
5.804	46.8341
5.809	51.3138
5.814	56.6688
5.819	61.2892
5.824	63.6864

5.829	63.9211
5.834	63.2637
5.839	62.8733
5.844	63.2646
5.849	65.0401
5.854	68.2747
5.859	72.5098
5.864	77.1907
5.869	81.3786
5.874	84.0044
5.879	84.5035
5.884	83.4686
5.889	81.6701
5.894	79.8953
5.899	79.1647
5.904	79.9484
5.909	81.8761
5.914	84.6446
5.919	87.6112
5.924	89.7731
5.929	90.1036
5.934	88.5532
5.939	86.5271
5.944	84.951
5.949	84.029
5.954	83.9745
5.959	84.6947
5.964	85.7261
5.969	86.5117
5.974	86.6979
5.979	86.3247
5.984	85.4671
5.989	84.6058
5.994	83.9767
5.999	83.7753
6.004	84.0956
6.009	84.4751
6.014	84.5129
6.019	84.2712
6.024	83.9645
6.029	83.7888
6.034	83.8826
6.039	84.5913

6.044	85.6702
6.049	86.5897
6.054	87.238
6.059	87.3764
6.064	86.833
6.069	85.6907
6.074	83.9582
6.079	82.1209
6.084	80.6487
6.089	79.8503
6.094	79.9341
6.099	81.0005
6.104	82.5984
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6.119	84.9084
6.124	84.286
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6.134	82.2386
6.139	81.2834
6.144	80.5374
6.149	79.9815
6.154	80.0216
6.159	80.656
6.164	81.5449
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6.174	82.7231
6.179	82.5304
6.184	81.5747
6.189	80.165
6.194	78.5447
6.199	76.9897
6.204	75.9852
6.209	75.628
6.214	75.9977
6.219	76.9797
6.224	78.2674
6.229	79.5393
6.234	80.5607
6.239	81.1642
6.244	81.1769
6.249	80.8642
6.254	80.3103

6.259	79.6059
6.264	79.1819
6.269	79.1926
6.274	79.7646
6.279	80.8236
6.284	82.0896
6.289	83.4702
6.294	84.542
6.299	84.98
6.304	84.8673
6.309	84.2568
6.314	83.4821
6.319	82.8879
6.324	82.7246
6.329	83.0793
6.334	84.0017
6.339	85.6284
6.344	87.4037
6.349	88.7031
6.354	89.4423
6.359	89.6763
6.364	89.5321
6.369	89.1374
6.374	88.6251
6.379	88.1395
6.384	87.8203
6.389	88.1229
6.394	89.1564
6.399	90.9637
6.404	93.3424
6.409	95.4469
6.414	96.4502
6.419	96.2095
6.424	95.2846
6.429	94.2757
6.434	93.5455
6.439	93.0923
6.444	92.9014
6.449	92.9794
6.454	93.4282
6.459	94.5907
6.464	96.2991
6.469	97.978

6.474	99.3622
6.479	100
6.484	99.8899
6.489	99.3312
6.494	98.6261
6.499	97.9599
6.504	97.3681
6.509	96.8768
6.514	96.471
6.519	96.2559
6.524	95.8611
6.529	94.96
6.534	93.9152
6.539	92.9527
6.544	92.2923
6.549	92.0227
6.554	92.1501
6.559	92.6758
6.564	93.3835
6.569	93.678
6.574	92.9183
6.579	90.6303
6.584	87.2098
6.589	83.3351
6.594	79.6722
6.599	76.6521
6.604	74.507
6.609	73.6275
6.614	73.8189
6.619	74.3172
6.624	74.6056
6.629	74.088
6.634	72.7801
6.639	70.9605
6.644	68.9064
6.649	66.7932
6.654	64.6693
6.659	62.5676
6.664	60.5598
6.669	58.8109
6.674	57.497
6.679	56.7837
6.684	56.5314

6.689	56.3386
6.694	55.7959
6.699	54.606
6.704	52.7994
6.709	50.4658
6.714	47.7063
6.719	44.7622
6.724	41.9869
6.729	39.7349
6.734	38.228
6.739	37.3742
6.744	37.03
6.749	37.0467
6.754	37.2122
6.759	37.2659
6.764	36.9547
6.769	36.1842
6.774	34.9034
6.779	33.1158
6.784	30.9889
6.789	28.7084
6.794	26.5419
6.799	24.7575
6.804	23.5606
6.809	22.8918
6.814	22.6202
6.819	22.6686
6.824	22.8512
6.829	22.9722
6.834	22.9369
6.839	22.613
6.844	21.9829
6.849	21.075
6.854	19.9128
6.859	18.5696
6.864	17.2229
6.869	16.0621
6.874	15.2717
6.879	14.9048
6.884	14.8106
6.889	14.8383
6.894	14.903
6.899	14.915

6.904	14.793
6.909	14.4543
6.914	13.8773
6.919	13.158
6.924	12.4036
6.929	11.7456
6.934	11.2051
6.939	10.7553
6.944	10.4166
6.949	10.1837
6.954	10.0433
6.959	9.98
6.964	9.9805
6.969	10.0198
6.974	10.0347
6.979	9.954
6.984	9.7104
6.989	9.313
6.994	8.8182
6.999	8.2962
7.004	7.8523
7.009	7.5171
7.014	7.2752
7.019	7.1094
7.024	7.0012
7.029	6.9394
7.034	6.9182
7.039	6.9461
7.044	6.9954
7.049	7.0124
7.054	6.9659
7.059	6.8097
7.064	6.5212
7.069	6.1529
7.074	5.7701
7.079	5.4381
7.084	5.1972
7.089	5.0435
7.094	4.9433
7.099	4.8644
7.104	4.808
7.109	4.7819
7.114	4.7953

7.119	4.8561
7.124	4.9451
7.129	5.0223
7.134	5.0233
7.139	4.8858
7.144	4.6278
7.149	4.31
7.154	3.996
7.159	3.7465
7.164	3.5773
7.169	3.4676
7.174	3.3964
7.179	3.3432
7.184	3.3021
7.189	3.2793
7.194	3.2803
7.199	3.3104
7.204	3.3523
7.209	3.3738
7.214	3.3429
7.219	3.2301
7.224	3.0468
7.229	2.8424
7.234	2.6538
7.239	2.5181
7.244	2.4483
7.249	2.422
7.254	2.4161
7.259	2.4075
7.264	2.3902
7.269	2.3734
7.274	2.3676
7.279	2.387
7.284	2.4223
7.289	2.446
7.294	2.4399
7.299	2.3812
7.304	2.2669
7.309	2.1241
7.314	1.9833
7.319	1.8746
7.324	1.8143
7.329	1.7909

7.334	1.7813
7.339	1.7623
7.344	1.7251
7.349	1.6808
7.354	1.6458
7.359	1.636
7.364	1.6628
7.369	1.7099
7.374	1.7505
7.379	1.7622
7.384	1.717
7.389	1.6203
7.394	1.505
7.399	1.4001
7.404	1.3344
7.409	1.3139
7.414	1.3196
7.419	1.3313
7.424	1.3287
7.429	1.3025
7.434	1.266
7.439	1.2357
7.444	1.2283
7.449	1.2568
7.454	1.3035
7.459	1.3426
7.464	1.3532
7.469	1.3144
7.474	1.2326
7.479	1.1329
7.484	1.0408
7.489	0.9812
7.494	0.9629
7.499	0.9703
7.504	0.9848
7.509	0.9881
7.514	0.9676
7.519	0.9327
7.524	0.8987
7.529	0.8828
7.534	0.8974
7.539	0.9351
7.544	0.9779

7.549	1.0059
7.554	0.9989
7.559	0.9489
7.564	0.8733
7.569	0.792
7.574	0.725
7.579	0.6899
7.584	0.682
7.589	0.6887
7.594	0.6946
7.599	0.6846
7.604	0.6564
7.609	0.6219
7.614	0.5945
7.619	0.5867
7.624	0.6083
7.629	0.6483
7.634	0.6887
7.639	0.7125
7.644	0.7007
7.649	0.6489
7.654	0.5758
7.659	0.5003
7.664	0.441
7.669	0.4134
7.674	0.4111
7.679	0.4208
7.684	0.4272
7.689	0.4154
7.694	0.3817
7.699	0.3383
7.704	0.2983
7.709	0.2752
7.714	0.2807
7.719	0.3084
7.724	0.3429
7.729	0.3682
7.734	0.3687
7.739	0.3361
7.744	0.2836
7.749	0.2276
7.754	0.1849
7.759	0.1715

7.764	0.1885
7.769	0.2225
7.774	0.2581
7.779	0.2802
7.784	0.2769
7.789	0.2538
7.794	0.2243
7.799	0.2015
7.804	0.1986
7.809	0.2218
7.814	0.2599
7.819	0.2983
7.824	0.3226
7.829	0.3186
7.834	0.2849
7.839	0.2359
7.844	0.1867
7.849	0.1526
7.854	0.1473
7.859	0.1674
7.864	0.1981
7.869	0.2244
7.874	0.2318
7.879	0.2087
7.884	0.1636
7.889	0.1114
7.894	0.0686
7.899	0.0536
7.904	0.0597
7.909	0.0841
7.914	0.1195
7.919	0.1456
7.924	0.1479
7.929	0.1207
7.934	0.0765
7.939	0.036
7.944	0.0116
7.949	0.0074
7.954	0.0184
7.959	0.0388
7.964	0.0754
7.969	0.1004
7.974	0.1009

7.979	0.0768
7.984	0.0472
7.989	0.0169
7.994	0.0007
7.999	0
8.004	0.0174
8.009	0.0612
8.014	0.105
8.019	0.1363
8.024	0.1429
8.029	0.1263
8.034	0.1008
8.039	0.0807
8.044	0.0674
8.049	0.0682
8.054	0.0821
8.059	0.1021
8.064	0.121
8.069	0.1313
8.074	0.1265
8.079	0.1076
8.084	0.0815
8.089	0.0552
8.094	0.0355
8.099	0.0293
8.104	0.0357
8.109	0.0475
8.114	0.062
8.119	0.0771
8.124	0.0753
8.129	0.0567
8.134	0.0303
8.139	0.0133
8.144	0.0072
8.149	0.006
8.154	0.0102
8.159	0.0203
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8.169	0.0675
8.174	0.0728
8.179	0.0594
8.184	0.0346
8.189	0.0079

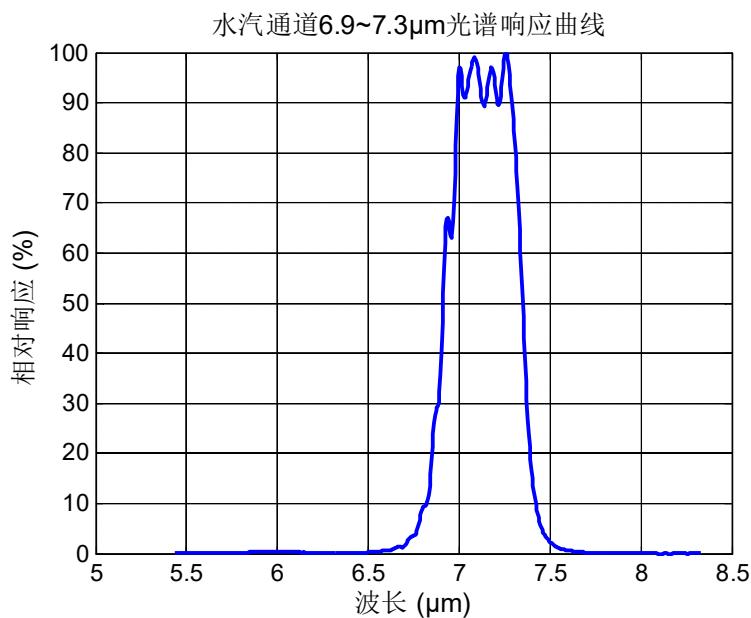
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8.234	0.0624
8.239	0.0379
8.244	0.0138
8.249	0.0024
8.254	0.001
8.259	0.0068
8.264	0.0236
8.269	0.0428
8.274	0.0561
8.279	0.0584
8.284	0.0445
8.289	0.0261
8.294	0.0133
8.299	0.0033
8.304	0.0015
8.309	0.0073
8.314	0.0208
8.319	0.0483
8.324	0.0801
8.329	0.0972
8.334	0.0908
8.339	0.064
8.344	0.0283
8.349	0.0026
8.354	0
8.359	0
8.364	0
8.369	0.0114
8.374	0.0472
8.379	0.0787
8.384	0.0939
8.389	0.0847
8.394	0.0568
8.399	0.0271
8.404	0.0119

8.409	0.0009
8.414	0
8.419	0.0053
8.424	0.0305
8.429	0.0729
8.434	0.1082
8.439	0.1259
8.444	0.1184
8.449	0.0914
8.454	0.057
8.459	0.0361
8.464	0.0292
8.469	0.0313
8.474	0.0428
8.479	0.0596
8.484	0.0772
8.489	0.0914
8.494	0.0989
8.499	0.0907
8.504	0.0751
8.509	0.0547
8.514	0.0337
8.519	0.0209
8.524	0.0132
8.529	0.01
8.534	0.0165
8.539	0.0302
8.544	0.0442
8.549	0.0502
8.554	0.0468
8.559	0.0379
8.564	0.0254
8.569	0.0164
8.574	0.0119
8.579	0.0103
8.584	0.0129
8.589	0.0214
8.594	0.0435
8.599	0.0665
8.604	0.084
8.609	0.0909
8.614	0.0856
8.619	0.0721

8.624	0.0548
8.629	0.0401
8.634	0.0334
8.639	0.0326
8.644	0.0379
8.649	0.0498
8.654	0.0651
8.659	0.0771
8.664	0.0814
8.669	0.0742
8.674	0.0571
8.679	0.0346
8.684	0.0176
8.689	0.0086
8.694	0.0031
8.699	0.0014
8.704	0.0024
8.709	0.0051
8.714	0.0174
8.719	0.028
8.724	0.0308
8.729	0.023
8.734	0.0131
8.739	0.0079
8.744	0.002
8.749	0
8.754	0
8.759	0
8.764	0
8.769	0
8.774	0
8.779	0.0005
8.784	0.0034
8.789	0.0044
8.794	0.0041
8.799	0.003
8.804	0.0015
8.809	0.0005
8.814	0.0003
8.819	0.0014
8.824	0.0032
8.829	0.0053
8.834	0.0073

8.839	0.0085
8.844	0.0085
8.849	0.0071
8.854	0.0044
8.859	0.0102
8.864	0.0181
8.869	0.0256
8.874	0.0318
8.879	0.0361
8.884	0.0391
8.889	0.0428
8.894	0.0502
8.899	0.0581
8.904	0.067
8.909	0.0769
8.914	0.086
8.919	0.0929
8.924	0.0955
8.929	0.092
8.934	0.0803
8.939	0.0597
8.944	0.0396
8.949	0.0299
8.954	0.0206
8.959	0.0137
8.964	0.0109
8.969	0.0136
8.974	0.0208
8.979	0.0303
8.984	0.0396
8.989	0.0464
8.994	0.0485

1.6. 水汽通道 6.9~7.3 μm



波长/ μm	相对响应/%
5.432	0.0365
5.437	0.0398
5.442	0.039
5.447	0.0321
5.452	0.0216
5.457	0.0162
5.462	0.0139
5.467	0.0156
5.472	0.0178
5.477	0.0193
5.482	0.0232
5.487	0.0276
5.492	0.0271
5.497	0.0211
5.502	0.0162
5.507	0.0193
5.512	0.0244
5.517	0.0244
5.522	0.0206
5.527	0.0188
5.532	0.0193
5.537	0.0176
5.542	0.0115

5.547	0.0072
5.552	0.0087
5.557	0.0167
5.562	0.0172
5.567	0.0083
5.572	0.0039
5.577	0.0054
5.582	0.0087
5.587	0.0096
5.592	0.0085
5.597	0.0096
5.602	0.016
5.607	0.0219
5.612	0.0207
5.617	0.0156
5.622	0.0121
5.627	0.0119
5.632	0.0138
5.637	0.0162
5.642	0.0198
5.647	0.0267
5.652	0.035
5.657	0.0393
5.662	0.0377
5.667	0.0365
5.672	0.042
5.677	0.0512
5.682	0.0564
5.687	0.0547
5.692	0.0516
5.697	0.0527
5.702	0.0578
5.707	0.065
5.712	0.073
5.717	0.0816
5.722	0.0908
5.727	0.1015
5.732	0.1151
5.737	0.1314
5.742	0.1466
5.747	0.1577
5.752	0.1667
5.757	0.1769

5.762	0.189
5.767	0.199
5.772	0.2037
5.777	0.2057
5.782	0.2102
5.787	0.2187
5.792	0.2266
5.797	0.229
5.802	0.2272
5.807	0.2266
5.812	0.2301
5.817	0.2334
5.822	0.2313
5.827	0.2261
5.832	0.2258
5.837	0.2363
5.842	0.2527
5.847	0.267
5.852	0.2766
5.857	0.2862
5.862	0.3002
5.867	0.3149
5.872	0.3245
5.877	0.3264
5.882	0.3261
5.887	0.3308
5.892	0.3408
5.897	0.3488
5.902	0.3493
5.907	0.3477
5.912	0.3544
5.917	0.373
5.922	0.3921
5.927	0.3984
5.932	0.3913
5.937	0.3835
5.942	0.3842
5.947	0.3896
5.952	0.3923
5.957	0.388
5.962	0.3829
5.967	0.3847
5.972	0.3938

5.977	0.4025
5.982	0.4016
5.987	0.3931
5.992	0.3877
5.997	0.3924
6.002	0.3996
6.007	0.398
6.012	0.3824
6.017	0.3619
6.022	0.3463
6.027	0.3396
6.032	0.3355
6.037	0.3279
6.042	0.3187
6.047	0.3126
6.052	0.313
6.057	0.3162
6.062	0.3164
6.067	0.3107
6.072	0.304
6.077	0.304
6.082	0.3111
6.087	0.3164
6.092	0.3119
6.097	0.2972
6.102	0.2812
6.107	0.2732
6.112	0.2722
6.117	0.2711
6.122	0.2638
6.127	0.2534
6.132	0.2467
6.137	0.2494
6.142	0.2559
6.147	0.2576
6.152	0.249
6.157	0.2345
6.162	0.222
6.167	0.2163
6.172	0.2122
6.177	0.2043
6.182	0.1897
6.187	0.1734

6.192	0.1619
6.197	0.1572
6.202	0.1537
6.207	0.1454
6.212	0.131
6.217	0.1161
6.222	0.1064
6.227	0.103
6.232	0.1009
6.237	0.095
6.242	0.085
6.247	0.0756
6.252	0.0711
6.257	0.072
6.262	0.0742
6.267	0.0735
6.272	0.0701
6.277	0.0681
6.282	0.0715
6.287	0.0804
6.292	0.0903
6.297	0.0965
6.302	0.0987
6.307	0.1005
6.312	0.1054
6.317	0.1132
6.322	0.1193
6.327	0.1191
6.332	0.1122
6.337	0.1036
6.342	0.0992
6.347	0.1013
6.352	0.1058
6.357	0.1089
6.362	0.1091
6.367	0.1101
6.372	0.1159
6.377	0.1282
6.382	0.142
6.387	0.1511
6.392	0.1524
6.397	0.1503
6.402	0.1507

6.407	0.1579
6.412	0.1678
6.417	0.1737
6.422	0.1707
6.427	0.1644
6.432	0.1647
6.437	0.1802
6.442	0.2072
6.447	0.2327
6.452	0.244
6.457	0.2393
6.462	0.2282
6.467	0.2207
6.472	0.2211
6.477	0.2245
6.482	0.2249
6.487	0.22
6.492	0.2176
6.497	0.2283
6.502	0.2589
6.507	0.3011
6.512	0.3428
6.517	0.3718
6.522	0.3865
6.527	0.3919
6.532	0.3934
6.537	0.3936
6.542	0.3925
6.547	0.3896
6.552	0.3861
6.557	0.389
6.562	0.4037
6.567	0.4345
6.572	0.4781
6.577	0.5269
6.582	0.5736
6.587	0.6151
6.592	0.6524
6.597	0.6867
6.602	0.7172
6.607	0.7396
6.612	0.7489
6.617	0.7429

6.622	0.7329
6.627	0.7344
6.632	0.7625
6.637	0.823
6.642	0.9138
6.647	1.0352
6.652	1.1752
6.657	1.3033
6.662	1.3915
6.667	1.415
6.672	1.385
6.677	1.3286
6.682	1.273
6.687	1.2471
6.692	1.2826
6.697	1.4107
6.702	1.6509
6.707	1.9735
6.712	2.3354
6.717	2.6948
6.722	3.0176
6.727	3.2768
6.732	3.4461
6.737	3.5153
6.742	3.5229
6.747	3.516
6.752	3.5424
6.757	3.6567
6.762	3.9181
6.767	4.387
6.772	5.0832
6.777	5.9257
6.782	6.817
6.787	7.6618
6.792	8.3933
6.797	8.9634
6.802	9.3265
6.807	9.5027
6.812	9.594
6.817	9.7257
6.822	10.0654
6.827	10.7415
6.832	11.8675

6.837	13.5548
6.842	15.8482
6.847	18.5249
6.852	21.2913
6.857	23.9114
6.862	26.1317
6.867	27.7742
6.872	28.7859
6.877	29.1338
6.882	29.319
6.887	30.0636
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6.897	35.7359
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6.907	46.132
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6.917	57.2675
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6.927	65.1632
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6.937	66.9401
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6.952	63.5843
6.957	62.9086
6.962	63.4807
6.967	66.0435
6.972	70.4149
6.977	75.7668
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6.987	87.1174
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7.072	98.0141
7.077	98.6454
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7.227	91.3294
7.232	92.9779
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7.252	99.6028
7.257	100
7.262	99.6203

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7.282	93.649
7.287	91.4499
7.292	89.1683
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7.317	76.2627
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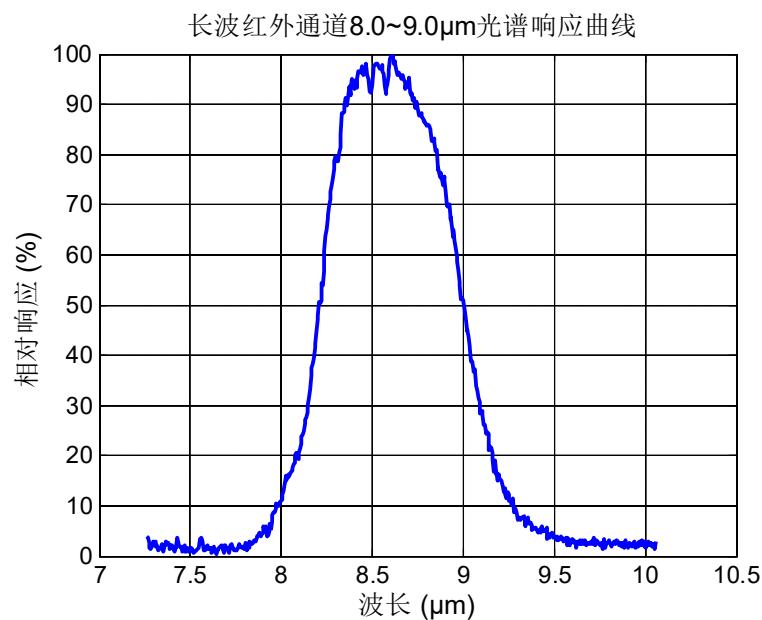
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7.567	0.9025
7.572	0.8527
7.577	0.7997
7.582	0.7488
7.587	0.7033
7.592	0.6667
7.597	0.6398
7.602	0.6188
7.607	0.599
7.612	0.576
7.617	0.5461
7.622	0.5109
7.627	0.4755
7.632	0.4432
7.637	0.4173
7.642	0.3999
7.647	0.3875
7.652	0.3765
7.657	0.3632
7.662	0.3446
7.667	0.3222
7.672	0.2988
7.677	0.2778
7.682	0.2615
7.687	0.25
7.692	0.2414

7.697	0.2331
7.702	0.2226
7.707	0.2075
7.712	0.1894
7.717	0.1714
7.722	0.1556
7.727	0.1446
7.732	0.1394
7.737	0.1381
7.742	0.1378
7.747	0.1361
7.752	0.131
7.757	0.1226
7.762	0.1133
7.767	0.1047
7.772	0.0992
7.777	0.0975
7.782	0.0981
7.787	0.099
7.792	0.0981
7.797	0.0934
7.802	0.0848
7.807	0.0745
7.812	0.0642
7.817	0.0557
7.822	0.0509
7.827	0.0491
7.832	0.0485
7.837	0.0472
7.842	0.0437
7.847	0.0371
7.852	0.0288
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7.862	0.0154
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7.872	0.0167
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7.882	0.0276
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7.902	0.022
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7.962	0.0039
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7.982	0.0177
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8.022	0.0193
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8.037	0.0213
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8.062	0.0037
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8.077	0.0015
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8.252	0
8.257	0
8.262	0
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8.272	0.0031
8.277	0.0052
8.282	0.0068
8.287	0.009
8.292	0.0097
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8.302	0.0056
8.307	0.0024
8.312	0.0009
8.317	0.0004
8.322	0.0005
8.327	0.001
8.332	0.0017

1.7. 长波红外通道 8.0~9.0 μm



波长/ μm	相对响应/%
7.263	3.9471
7.268	3.6725
7.273	2.6259
7.278	1.6221
7.283	1.4232
7.288	1.851
7.293	2.6188
7.298	2.7871
7.303	2.4354
7.308	2.8818
7.313	1.7726
7.318	2.228
7.323	1.2605
7.328	1.5143
7.333	1.3076
7.338	1.6061
7.343	2.3914
7.348	1.7373
7.353	0.813
7.358	2.2339
7.363	2.2705
7.368	2.8355
7.373	2.5965

7.378	2.6314
7.383	1.8319
7.388	1.5014
7.393	2.1406
7.398	1.6467
7.403	2.2303
7.408	1.5063
7.413	0.7961
7.418	1.8263
7.423	1.5396
7.428	3.7265
7.433	2.6473
7.438	2.4026
7.443	1.7922
7.448	1.5188
7.453	1.7692
7.458	0.9173
7.463	1.3018
7.468	2.0221
7.473	0.9412
7.478	0.9307
7.483	1.5531
7.488	0.9051
7.493	1.2478
7.498	0.9544
7.503	1.6352
7.508	1.3527
7.513	1.0184
7.518	0.5545
7.523	0.5862
7.528	0.7623
7.533	1.1706
7.538	1.4224
7.543	1.5482
7.548	1.5467
7.553	3.2918
7.558	2.6702
7.563	3.5804
7.568	2.8892
7.573	1.0967
7.578	1.0214
7.583	1.6144
7.588	1.8185

7.593	2.0714
7.598	1.4344
7.603	1.2954
7.608	1.6233
7.613	1.6215
7.618	0.6022
7.623	0.9297
7.628	1.9545
7.633	1.4072
7.638	0.8116
7.643	0.4572
7.648	1.2702
7.653	1.029
7.658	1.5715
7.663	1.958
7.668	2.0774
7.673	2.2221
7.678	1.3397
7.683	0.6542
7.688	2.187
7.693	2.0538
7.698	1.3269
7.703	1.6465
7.708	1.1295
7.713	0.7021
7.718	2.056
7.723	2.2681
7.728	2.4262
7.733	1.5998
7.738	1.0483
7.743	1.4445
7.748	1.1008
7.753	1.2048
7.758	1.1515
7.763	1.7371
7.768	2.2841
7.773	1.8597
7.778	1.8644
7.783	1.6528
7.788	1.5351
7.793	2.0101
7.798	1.4018
7.803	2.5829

7.808	2.3015
7.813	1.06
7.818	2.2947
7.823	1.5677
7.828	2.7874
7.833	2.4592
7.838	2.4643
7.843	2.5563
7.848	3.012
7.853	3.1606
7.858	3.023
7.863	3.7802
7.868	3.8818
7.873	4.1985
7.878	4.764
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7.888	3.8601
7.893	4.4242
7.898	4.7523
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7.908	5.2687
7.913	6.0153
7.918	5.5358
7.923	4.0071
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7.933	5.2468
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7.943	5.2588
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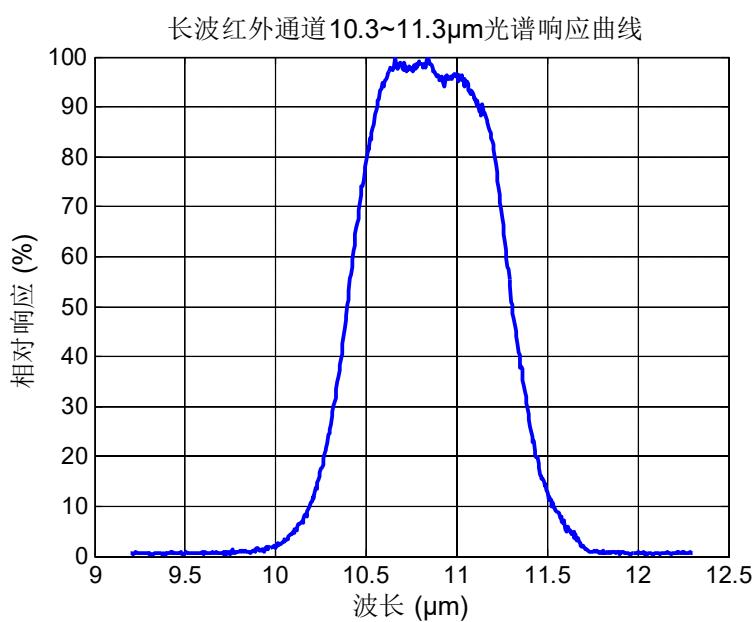
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9.708	2.4254
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9.763	1.3842
9.768	1.67
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9.778	1.5845
9.783	1.8049
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9.798	3.2421
9.803	2.8227
9.808	2.6228
9.813	1.843
9.818	2.3143
9.823	2.4406
9.828	2.8294
9.833	2.796
9.838	2.4502
9.843	3.0583
9.848	2.9291
9.853	2.2947
9.858	2.0597
9.863	2.7098
9.868	1.7976
9.873	2.2456
9.878	2.5507
9.883	1.6146
9.888	3.2014
9.893	2.1873
9.898	2.3934
9.903	1.5889
9.908	1.9261
9.913	2.6349
9.918	2.1208
9.923	2.4094
9.928	1.8707
9.933	2.4569
9.938	2.9739
9.943	1.82
9.948	1.5901
9.953	2.4922

9.958	1.9654
9.963	2.5935
9.968	2.9028
9.973	2.8648
9.978	2.2552
9.983	3.1239
9.988	2.3769
9.993	1.8881
9.998	2.8503
10.003	1.5548
10.008	2.508
10.013	2.9482
10.018	2.0441
10.023	2.7183
10.028	2.1308
10.033	2.6454
10.038	1.9492
10.043	2.4588
10.048	2.3131
10.053	1.4238
10.058	2.9377

1.8. 长波红外通道 10.3~11.3 μm



9.200	0.529229
9.205	0.570651
9.210	0.355222
9.215	0.47827
9.220	0.537827
9.225	0.926236
9.230	0.745575
9.235	0.564185
9.240	0.573959
9.245	0.573959
9.250	0.745943
9.255	0.696925
9.260	0.540531
9.265	0.459012
9.270	0.532092
9.275	0.522546
9.280	0.498979
9.285	0.506218
9.290	0.681041
9.295	0.648571
9.300	0.451753
9.305	0.678912
9.310	0.496028
9.315	0.487865
9.320	0.486436
9.325	0.317624
9.330	0.590493
9.335	0.569362
9.340	0.579673
9.345	0.565816
9.350	0.546466
9.355	0.666951
9.360	0.577877
9.365	0.658842
9.370	0.534747
9.375	0.40434
9.380	0.723622
9.385	0.448057
9.390	0.639346
9.395	0.492918
9.400	0.687802
9.405	0.571379
9.410	0.526927

9.415	0.590526
9.420	0.781621
9.425	0.610889
9.430	0.826955
9.435	0.643271
9.440	0.75325
9.445	0.592542
9.450	0.663255
9.455	0.620703
9.460	0.718074
9.465	0.728737
9.470	0.545313
9.475	0.776808
9.480	0.521747
9.485	0.463917
9.490	0.480712
9.495	0.711402
9.500	0.58264
9.505	0.838253
9.510	0.732547
9.515	0.649129
9.520	0.655813
9.525	0.551164
9.530	0.5387
9.535	0.696709
9.540	0.624348
9.545	0.648127
9.550	0.577183
9.555	0.700455
9.560	0.597831
9.565	0.561977
9.570	0.688155
9.575	0.580699
9.580	0.609655
9.585	0.736929
9.590	0.699456
9.595	0.838581
9.600	0.490805
9.605	0.737781
9.610	0.879734
9.615	0.636421
9.620	0.437913
9.625	0.535443

9.630	0.714444
9.635	0.688801
9.640	0.582775
9.645	0.603977
9.650	0.778337
9.655	0.692712
9.660	0.644074
9.665	0.732824
9.670	0.818613
9.675	0.63154
9.680	0.529351
9.685	0.517435
9.690	0.47384
9.695	0.617595
9.700	0.620847
9.705	0.594903
9.710	0.858716
9.715	0.479062
9.720	0.78702
9.725	0.624923
9.730	0.481062
9.735	0.785385
9.740	0.640565
9.745	0.38009
9.750	0.800809
9.755	0.909881
9.760	1.435681
9.765	0.61888
9.770	0.793603
9.775	0.742526
9.780	0.858683
9.785	0.84192
9.790	0.849653
9.795	0.822906
9.800	0.791647
9.805	1.033916
9.810	0.889462
9.815	1.052121
9.820	1.125194
9.825	0.945774
9.830	1.133094
9.835	1.002087
9.840	0.925871

9.845	0.930073
9.850	0.945921
9.855	0.975283
9.860	0.559846
9.865	0.984695
9.870	0.939607
9.875	1.188879
9.880	1.229374
9.885	0.896295
9.890	1.311281
9.895	1.584638
9.900	1.586823
9.905	1.133162
9.910	1.090687
9.915	1.23435
9.920	1.325892
9.925	1.249508
9.930	1.409867
9.935	0.954097
9.940	1.681563
9.945	1.732384
9.950	1.952237
9.955	1.416098
9.960	1.645708
9.965	1.899738
9.970	1.642677
9.975	2.157165
9.980	1.913354
9.985	1.842292
9.990	2.096103
9.995	1.978573
10.000	1.639049
10.005	2.406134
10.010	2.755516
10.015	2.18198
10.020	2.378728
10.025	2.405978
10.030	2.633261
10.035	2.975255
10.040	3.019125
10.045	2.898869
10.050	3.508577
10.055	3.252753

10.060	3.304895
10.065	3.444966
10.070	3.858669
10.075	4.278455
10.080	4.196726
10.085	4.478266
10.090	4.448258
10.095	4.842577
10.100	4.548511
10.105	5.426572
10.110	5.468882
10.115	5.12858
10.120	5.660062
10.125	6.339032
10.130	6.493183
10.135	6.695155
10.140	6.963752
10.145	6.904857
10.150	6.746223
10.155	7.382761
10.160	8.303844
10.165	8.536775
10.170	7.969596
10.175	8.846106
10.180	9.462757
10.185	9.856177
10.190	10.7348
10.195	10.83915
10.200	10.97752
10.205	12.05128
10.210	11.59072
10.215	12.63182
10.220	13.68482
10.225	13.55934
10.230	14.87632
10.235	15.3713
10.240	16.14754
10.245	16.74704
10.250	17.47962
10.255	17.88985
10.260	18.36808
10.265	19.69038
10.270	20.4834

10.275	21.24704
10.280	21.65995
10.285	22.49592
10.290	24.36223
10.295	24.65465
10.300	25.34175
10.305	26.33929
10.310	28.27495
10.315	28.88561
10.320	30.25165
10.325	30.88459
10.330	31.6921
10.335	33.47403
10.340	34.92634
10.345	35.97953
10.350	37.33647
10.355	38.24838
10.360	39.44813
10.365	40.57349
10.370	42.5542
10.375	43.9445
10.380	45.58123
10.385	47.2409
10.390	48.04248
10.395	50.28784
10.400	51.34097
10.405	53.17276
10.410	55.67368
10.415	56.50081
10.420	58.02944
10.425	59.51916
10.430	61.24834
10.435	62.36778
10.440	64.51281
10.445	65.81597
10.450	66.69311
10.455	67.48892
10.460	69.25044
10.465	70.93954
10.470	72.42025
10.475	74.00594
10.480	74.02381
10.485	75.12123

10.490	77.16468
10.495	78.00351
10.500	79.28123
10.505	80.7213
10.510	81.92814
10.515	81.32644
10.520	83.64672
10.525	83.40407
10.530	84.81654
10.535	85.78139
10.540	86.40686
10.545	88.4575
10.550	88.47084
10.555	89.3084
10.560	90.23967
10.565	91.19253
10.570	91.642
10.575	93.21447
10.580	93.50712
10.585	93.6673
10.590	94.71487
10.595	94.05353
10.600	94.60599
10.605	95.42732
10.610	95.5671
10.615	96.28815
10.620	96.66067
10.625	97.04712
10.630	97.7066
10.635	97.94478
10.640	97.51685
10.645	97.44288
10.650	98.04194
10.655	98.04233
10.660	100
10.665	97.93478
10.670	98.29845
10.675	97.59932
10.680	98.53418
10.685	98.63787
10.690	98.76386
10.695	98.34612
10.700	97.49184

10.705	97.23332
10.710	98.74755
10.715	98.15966
10.720	97.11459
10.725	97.53988
10.730	97.37674
10.735	98.11272
10.740	97.83832
10.745	97.77028
10.750	97.27956
10.755	97.8918
10.760	97.19803
10.765	98.38564
10.770	97.55746
10.775	98.55693
10.780	97.8985
10.785	98.27523
10.790	99.08221
10.795	98.62486
10.800	98.6308
10.805	98.56025
10.810	98.33323
10.815	97.90264
10.820	98.61449
10.825	98.19575
10.830	97.79259
10.835	99.26212
10.840	99.75571
10.845	99.06627
10.850	98.58672
10.855	98.50095
10.860	98.23422
10.865	97.6556
10.870	97.17043
10.875	97.19154
10.880	96.60471
10.885	96.52812
10.890	96.06877
10.895	96.4293
10.900	95.82301
10.905	95.44957
10.910	95.51711
10.915	96.05913

10.920	95.63137
10.925	94.8433
10.930	94.18759
10.935	95.5324
10.940	96.21153
10.945	96.29244
10.950	95.52487
10.955	95.54521
10.960	95.6105
10.965	96.02197
10.970	95.57373
10.975	95.73058
10.980	96.2545
10.985	96.65952
10.990	96.63287
10.995	96.04331
11.000	96.6141
11.005	95.61898
11.010	95.01759
11.015	96.33914
11.020	95.46912
11.025	96.43185
11.030	95.21685
11.035	95.61254
11.040	94.02765
11.045	95.54447
11.050	95.13257
11.055	95.11259
11.060	94.68597
11.065	93.42744
11.070	93.13147
11.075	92.65405
11.080	93.28689
11.085	92.99462
11.090	92.46451
11.095	91.63308
11.100	91.90635
11.105	90.93214
11.110	90.16454
11.115	91.3609
11.120	90.12699
11.125	88.95654
11.130	90.40186

11.135	88.25787
11.140	90.49863
11.145	89.1445
11.150	88.62604
11.155	88.80671
11.160	88.12546
11.165	87.32944
11.170	86.95883
11.175	85.96774
11.180	85.11833
11.185	84.77048
11.190	83.75564
11.195	83.32594
11.200	82.46038
11.205	81.38033
11.210	79.96704
11.215	78.75412
11.220	76.98223
11.225	75.03738
11.230	73.90399
11.235	72.44833
11.240	70.9063
11.245	69.6381
11.250	67.81486
11.255	66.36477
11.260	64.51947
11.265	63.09975
11.270	61.14434
11.275	59.71344
11.280	57.95299
11.285	57.522
11.290	55.30829
11.295	54.29055
11.300	50.84132
11.305	50.45728
11.310	48.69811
11.315	47.59451
11.320	46.28797
11.325	45.16533
11.330	44.03766
11.335	42.53702
11.340	40.75255
11.345	40.39087

11.350	37.67651
11.355	38.09369
11.360	37.4046
11.365	35.30858
11.370	34.21058
11.375	33.06472
11.380	31.93542
11.385	30.5944
11.390	29.72502
11.395	28.34969
11.400	27.37755
11.405	25.76303
11.410	24.89367
11.415	23.91125
11.420	22.95839
11.425	22.99713
11.430	21.19445
11.435	20.02426
11.440	19.78237
11.445	19.7457
11.450	18.45469
11.455	17.82561
11.460	16.2405
11.465	15.94333
11.470	15.51878
11.475	15.40438
11.480	14.94708
11.485	14.05007
11.490	14.4666
11.495	13.23848
11.500	12.87191
11.505	11.36071
11.510	12.08114
11.515	11.60093
11.520	11.33827
11.525	10.06063
11.530	10.7578
11.535	9.685451
11.540	9.593141
11.545	9.186721
11.550	9.026429
11.555	8.346475
11.560	8.614908

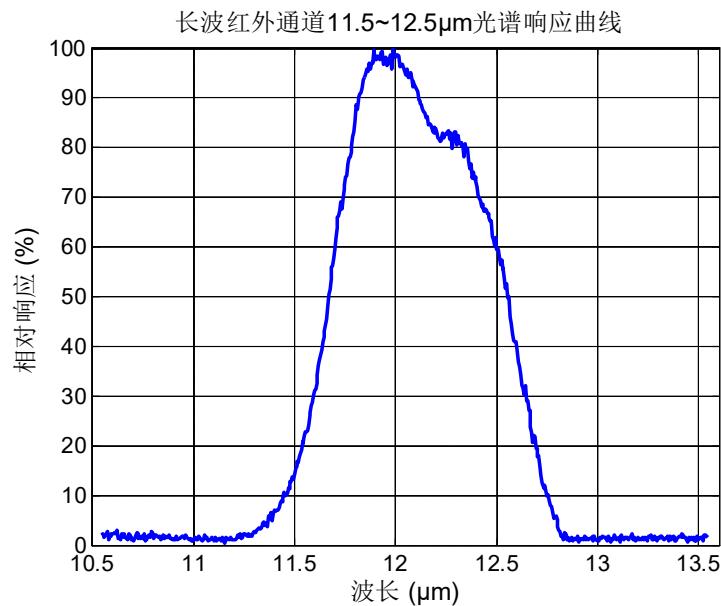
11.565	8.629465
11.570	7.642212
11.575	8.003086
11.580	6.931286
11.585	6.720409
11.590	7.081239
11.595	6.926894
11.600	5.361747
11.605	4.877112
11.610	5.670895
11.615	5.856136
11.620	5.25268
11.625	4.861824
11.630	5.227591
11.635	4.471861
11.640	4.791411
11.645	5.047782
11.650	3.7812
11.655	4.461015
11.660	3.194482
11.665	3.720172
11.670	3.581015
11.675	2.932685
11.680	2.567406
11.685	2.13553
11.690	1.907074
11.695	2.140585
11.700	1.262106
11.705	1.310807
11.710	1.370223
11.715	1.357271
11.720	1.409705
11.725	1.18527
11.730	0.781151
11.735	1.134106
11.740	0.981089
11.745	0.80463
11.750	0.866811
11.755	0.764485
11.760	1.202471
11.765	0.778596
11.770	1.207838
11.775	1.021783

11.780	0.925873
11.785	0.950288
11.790	0.593079
11.795	0.886576
11.800	0.746508
11.805	0.607996
11.810	1.207543
11.815	0.708935
11.820	0.53501
11.825	0.534514
11.830	0.87282
11.835	0.679333
11.840	0.694415
11.845	0.771533
11.850	0.68149
11.855	0.772773
11.860	0.569597
11.865	0.834094
11.870	0.823403
11.875	0.622916
11.880	0.518005
11.885	0.830484
11.890	0.757874
11.895	0.764979
11.900	0.435048
11.905	0.558575
11.910	0.745002
11.915	0.875535
11.920	0.790724
11.925	0.562418
11.930	0.504852
11.935	0.59052
11.940	0.714757
11.945	0.618741
11.950	0.752754
11.955	0.466046
11.960	0.407167
11.965	0.543087
11.970	0.689562
11.975	0.679373
11.980	0.48606
11.985	0.67659
11.990	0.511138

11.995	0.74684
12.000	0.704725
12.005	0.825076
12.010	0.607412
12.015	0.735379
12.020	0.543925
12.025	0.656036
12.030	0.948096
12.035	0.535235
12.040	0.492304
12.045	0.535172
12.050	0.34207
12.055	0.519713
12.060	0.511423
12.065	0.671043
12.070	0.720047
12.075	0.635878
12.080	0.494349
12.085	0.445982
12.090	0.714811
12.095	0.585695
12.100	0.661442
12.105	0.703854
12.110	0.580017
12.115	0.672672
12.120	0.504075
12.125	0.379389
12.130	0.677828
12.135	0.605011
12.140	0.730759
12.145	0.527655
12.150	0.593823
12.155	0.518218
12.160	0.692921
12.165	0.814419
12.170	0.641635
12.175	0.738093
12.180	0.737428
12.185	0.490526
12.190	0.581147
12.195	0.706245
12.200	0.555127
12.205	0.602522

12.210	0.678697
12.215	0.771348
12.220	0.751584
12.225	0.781494
12.230	0.575653
12.235	0.654975
12.240	0.62697
12.245	0.824414
12.250	0.603675
12.255	0.817188
12.260	0.742387
12.265	0.625336
12.270	0.596378
12.275	0.689049
12.280	0.675438
12.285	0.766254
12.290	0.766447
12.295	0.579184
12.300	0.694879

1.9. 长波红外通道 11.5~12.5 μm



波长/μm	相对响应/%
10.543	2.0866
10.548	2.1893

10.553	1.8875
10.558	1.4425
10.563	1.9478
10.568	2.2988
10.573	2.7265
10.578	1.012
10.583	2.1074
10.588	1.7347
10.593	2.1518
10.598	2.3175
10.603	2.2271
10.608	2.4886
10.613	2.2864
10.618	2.7662
10.623	2.9595
10.628	1.2931
10.633	1.6005
10.638	1.1379
10.643	2.3278
10.648	1.8097
10.653	1.4708
10.658	2.1561
10.663	1.5361
10.668	1.2155
10.673	1.0691
10.678	2.3185
10.683	2.0161
10.688	1.5267
10.693	1.028
10.698	1.3008
10.703	0.8826
10.708	1.2358
10.713	2.0846
10.718	2.4463
10.723	2.2817
10.728	1.3025
10.733	1.7624
10.738	1.3269
10.743	1.6749
10.748	1.3723
10.753	2.3087
10.758	0.9467
10.763	1.5295

10.768	1.1664
10.773	1.6735
10.778	2.0171
10.783	1.572
10.788	2.2839
10.793	2.7964
10.798	2.5671
10.803	1.3732
10.808	2.1101
10.813	1.9891
10.818	1.8674
10.823	1.761
10.828	1.4461
10.833	1.6806
10.838	1.1458
10.843	1.33
10.848	1.9699
10.853	1.4213
10.858	1.5785
10.863	1.7964
10.868	1.6472
10.873	1.4801
10.878	1.9968
10.883	1.2015
10.888	1.4051
10.893	1.1288
10.898	1.3373
10.903	1.1485
10.908	1.1492
10.913	1.809
10.918	1.132
10.923	1.2116
10.928	1.2868
10.933	1.3544
10.938	1.6481
10.943	1.7836
10.948	1.7139
10.953	1.3202
10.958	1.979
10.963	1.5592
10.968	1.6138
10.973	1.2516
10.978	1.1823

10.983	1.2586
10.988	0.8315
10.993	1.1644
10.998	0.9316
11.003	1.4251
11.008	1.5031
11.013	1.0426
11.018	1.1544
11.023	1.7187
11.028	1.3583
11.033	1.1098
11.038	1.192
11.043	0.8772
11.048	1.1124
11.053	1.9283
11.058	1.2721
11.063	1.5381
11.068	1.2174
11.073	0.7932
11.078	1.0647
11.083	1.081
11.088	1.4534
11.093	1.2852
11.098	1.0051
11.103	0.8742
11.108	1.4592
11.113	0.7682
11.118	1.0297
11.123	1.3908
11.128	1.3255
11.133	0.8962
11.138	1.0535
11.143	1.513
11.148	0.9067
11.153	0.3915
11.158	1.5023
11.163	1.3185
11.168	1.1843
11.173	1.3717
11.178	1.0175
11.183	1.6191
11.188	1.1617
11.193	1.061

11.198	1.3686
11.203	1.0216
11.208	0.9872
11.213	1.2053
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11.223	1.616
11.228	2.2094
11.233	1.8956
11.238	1.4079
11.243	1.634
11.248	2.2716
11.253	2.2119
11.258	2.0352
11.263	1.7405
11.268	1.8744
11.273	2.2284
11.278	1.8646
11.283	1.9949
11.288	1.7483
11.293	2.5779
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11.303	2.7291
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11.318	3.1188
11.323	3.5501
11.328	3.1576
11.333	3.408
11.338	4.1354
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11.348	4.6488
11.353	3.862
11.358	4.5299
11.363	3.7623
11.368	5.7497
11.373	5.8888
11.378	5.4231
11.383	6.4858
11.388	4.9693
11.393	6.4423
11.398	6.9727
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11.408	6.8242

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11.423	7.536
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12.538	53.8406
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12.563	45.9012
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12.573	44.5637
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12.603	38.9661
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12.658	27.0548
12.663	27.1457
12.668	23.6549
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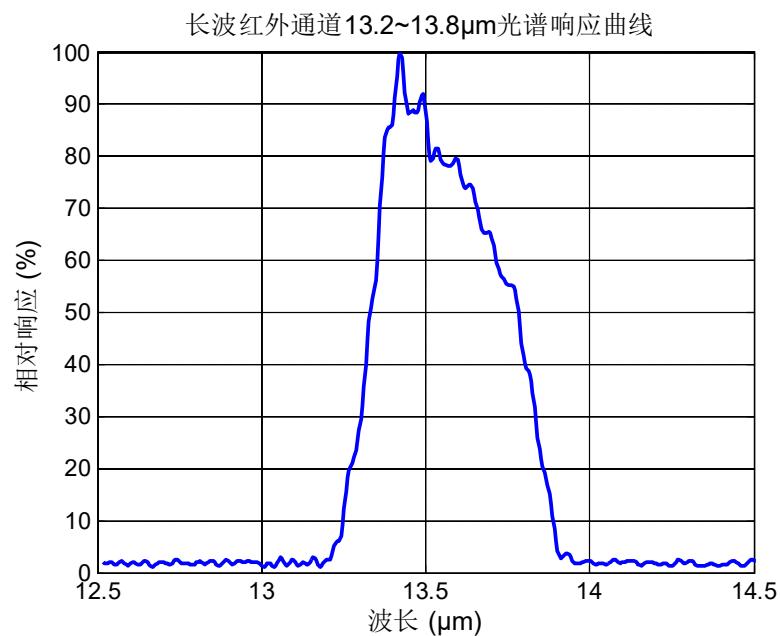
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12.803	3.6149
12.808	3.0919
12.813	2.7807
12.818	1.7592
12.823	1.8725
12.828	1.0674
12.833	2.5405
12.838	1.5478
12.843	2.1493
12.848	1.0847
12.853	1.6047
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12.878	0.792
12.883	1.2648
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12.893	1.1142
12.898	1.8677
12.903	0.6194
12.908	1.1865
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13.018	1.3203
13.023	1.7099
13.028	1.4467
13.033	1.4541
13.038	1.3428
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13.048	0.9458
13.053	1.7084
13.058	1.319
13.063	0.711
13.068	1.3971
13.073	0.9945
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13.173	1.1613
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13.253	1.9064
13.258	1.4808
13.263	1.9339
13.268	1.1757
13.273	1.0845
13.278	1.252
13.283	1.7496
13.288	1.3556
13.293	0.8147
13.298	1.5335
13.303	1.3883
13.308	1.8989
13.313	1.4694
13.318	1.8222
13.323	1.4132
13.328	1.096
13.333	1.3584
13.338	1.4607
13.343	1.324

13.348	1.7449
13.353	0.9448
13.358	1.6962
13.363	1.0656
13.368	1.509
13.373	1.8577
13.378	1.5216
13.383	0.9377
13.388	0.9259
13.393	1.2201
13.398	1.572
13.403	1.9011
13.408	1.8495
13.413	1.6318
13.418	2.1764
13.423	2.1306
13.428	1.6128
13.433	1.4988
13.438	1.0276
13.443	0.6636
13.448	1.6205
13.453	1.2214
13.458	1.113
13.463	1.6531
13.468	1.1117
13.473	1.663
13.478	0.8861
13.483	1.5339
13.488	0.8919
13.493	1.7617
13.498	1.1807
13.503	1.2536
13.508	1.601
13.513	1.3192
13.518	1.7913
13.523	0.8461
13.528	1.9585
13.533	1.9649
13.538	1.6963
13.543	1.5557

1.10. 长波红外通道 13.2~13.8 μm



波长/μm	相对响应/%
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12.522	1.9027
12.527	1.8412
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12.537	1.9713
12.542	1.9354
12.547	1.7654
12.552	1.574
12.557	1.5228
12.562	1.6833
12.567	1.9661
12.572	2.1679
12.577	2.1241
12.582	1.8456
12.587	1.521
12.592	1.3772
12.597	1.5143
12.602	1.8268
12.607	2.077
12.612	2.0797
12.617	1.844
12.622	1.5617

12.627	1.462
12.632	1.6412
12.637	1.9819
12.642	2.2401
12.647	2.224
12.652	1.9244
12.657	1.5111
12.662	1.2136
12.667	1.1714
12.672	1.3602
12.677	1.6451
12.682	1.8913
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12.692	2.0859
12.697	2.0795
12.702	2.0224
12.707	1.9043
12.712	1.749
12.717	1.6343
12.722	1.6568
12.727	1.8593
12.732	2.1741
12.737	2.4418
12.742	2.5141
12.747	2.354
12.752	2.0606
12.757	1.7998
12.762	1.6908
12.767	1.7247
12.772	1.7881
12.777	1.7686
12.782	1.647
12.787	1.5131
12.792	1.4961
12.797	1.6543
12.802	1.9154
12.807	2.1252
12.812	2.1541
12.817	1.9894
12.822	1.751
12.827	1.6151
12.832	1.692
12.837	1.952

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12.847	2.3827
12.852	2.2601
12.857	1.916
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12.867	1.2683
12.872	1.3006
12.877	1.6069
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12.947	2.0691
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12.957	2.1616
12.962	2.1506
12.967	2.0842
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12.977	2.022
12.982	2.0467
12.987	2.0032
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12.997	1.5005
13.002	1.2271
13.007	1.1695
13.012	1.3722
13.017	1.6874
13.022	1.8614
13.027	1.7294
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13.037	1.096
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13.047	1.7517
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13.557	78.4231
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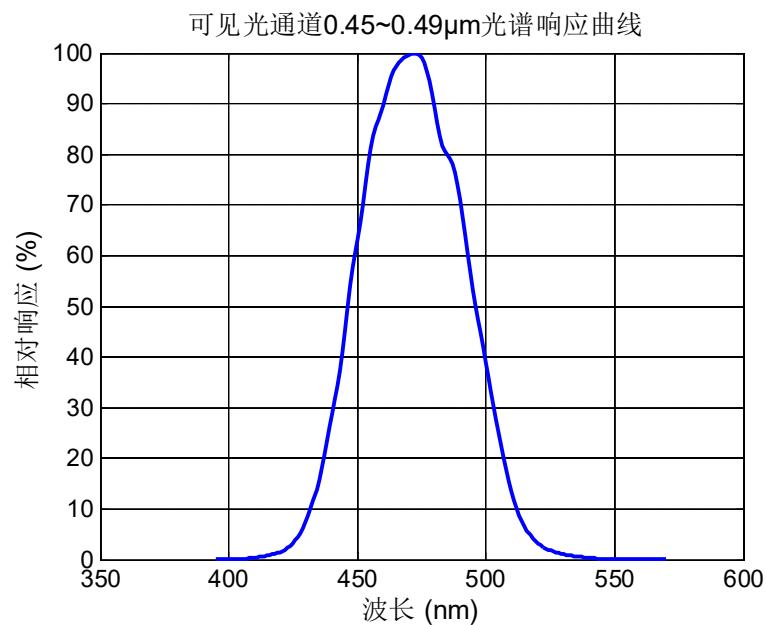
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14.032	1.8491
14.037	1.8101
14.042	1.6773
14.047	1.5575
14.052	1.5746
14.057	1.7781
14.062	2.096
14.067	2.3758
14.072	2.4833
14.077	2.3867
14.082	2.1702
14.087	1.9722
14.092	1.8923
14.097	1.9362
14.102	2.0371
14.107	2.1232
14.112	2.1711
14.117	2.2091
14.122	2.2691
14.127	2.3341

14.132	2.3372
14.137	2.2136
14.142	1.9624
14.147	1.6669
14.152	1.453
14.157	1.4099
14.162	1.5327
14.167	1.737
14.172	1.9179
14.177	2.013
14.182	2.0241
14.187	1.9871
14.192	1.9246
14.197	1.8327
14.202	1.7089
14.207	1.5832
14.212	1.5188
14.217	1.5676
14.222	1.7092
14.227	1.8395
14.232	1.8354
14.237	1.6511
14.242	1.3757
14.247	1.1971
14.252	1.2817
14.257	1.6475
14.262	2.1327
14.267	2.4907
14.272	2.5441
14.277	2.303
14.282	1.9561
14.287	1.7405
14.292	1.7844
14.297	2.0319
14.302	2.2941
14.307	2.3816
14.312	2.2273
14.317	1.9101
14.322	1.5805
14.327	1.3549
14.332	1.2578
14.337	1.2398
14.342	1.2443

14.347	1.2618
14.352	1.3213
14.357	1.4429
14.362	1.5994
14.367	1.7207
14.372	1.7415
14.377	1.6528
14.382	1.5114
14.387	1.3963
14.392	1.3559
14.397	1.3833
14.402	1.4351
14.407	1.4787
14.412	1.5253
14.417	1.6143
14.422	1.7715
14.427	1.9774
14.432	2.1644
14.437	2.2549
14.442	2.2071
14.447	2.0347
14.452	1.7932
14.457	1.5517
14.462	1.3739
14.467	1.3087
14.472	1.3879
14.477	1.6157
14.482	1.9436
14.487	2.2682
14.492	2.4666
14.497	2.4595
14.502	2.2662
14.507	2.008
14.512	1.8402
14.517	1.8539

2. 可见光通道光谱响应数据

2.1. 可见光通道 0.45~0.49 μm



波长/nm	相对响应/%
395	0.0169
396	0.0143
397	0.0139
398	0.0159
399	0.0199
400	0.0265
401	0.0364
402	0.0497
403	0.0669
404	0.0879
405	0.1221
406	0.1659
407	0.2165
408	0.2743
409	0.3393
410	0.4113
411	0.4901
412	0.5752
413	0.6649
414	0.7567

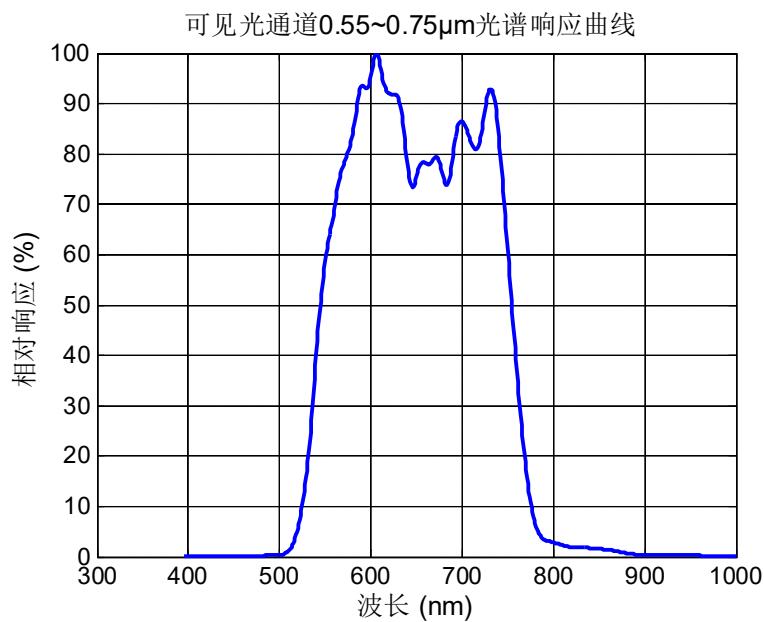
415	0.8473
416	0.9352
417	1.0279
418	1.1366
419	1.2754
420	1.4588
421	1.6939
422	1.9849
423	2.3342
424	2.743
425	3.2226
426	3.7896
427	4.4665
428	5.2786
429	6.2434
430	7.3735
431	8.6773
432	10.1609
433	11.841
434	13.7405
435	15.8875
436	18.2995
437	20.9233
438	23.6645
439	26.3994
440	29.0139
441	31.5694
442	34.2553
443	37.3432
444	41.0877
445	45.3734
446	49.8907
447	54.1814
448	57.8025
449	60.8445
450	63.6331
451	66.6032
452	70.1402
453	74.0542
454	77.9359
455	81.3046
456	83.7669
457	85.495

458	86.8408
459	88.1876
460	89.8431
461	91.722
462	93.6068
463	95.2619
464	96.5033
465	97.3934
466	98.0522
467	98.5677
468	99.007
469	99.3761
470	99.6641
471	99.8684
472	100
473	99.9777
474	99.6968
475	99.0573
476	97.98
477	96.446
478	94.4551
479	92.0126
480	89.1933
481	86.3196
482	83.7435
483	81.7802
484	80.5899
485	79.8528
486	79.1572
487	78.0864
488	76.3329
489	73.9278
490	70.9707
491	67.5721
492	63.9301
493	60.2278
494	56.6262
495	53.2701
496	50.2424
497	47.4302
498	44.6986
499	41.9401
500	39.0935

501	36.1989
502	33.3187
503	30.5024
504	27.7768
505	25.1296
506	22.5503
507	20.0587
508	17.6875
509	15.4789
510	13.4744
511	11.7033
512	10.1542
513	8.7991
514	7.612
515	6.5703
516	5.6567
517	4.8667
518	4.195
519	3.6329
520	3.1691
521	2.7882
522	2.4755
523	2.2172
524	2.0002
525	1.8108
526	1.6378
527	1.4773
528	1.3283
529	1.1926
530	1.0716
531	0.9655
532	0.8737
533	0.7932
534	0.7213
535	0.6555
536	0.5937
537	0.5347
538	0.478
539	0.4234
540	0.3715
541	0.3236
542	0.2808
543	0.2441

544	0.2137
545	0.1898
546	0.1728
547	0.1622
548	0.1565
549	0.1539
550	0.1538
551	0.1552
552	0.158
553	0.1612
554	0.1639
555	0.1653
556	0.1665
557	0.1663
558	0.1651
559	0.1632
560	0.161
561	0.1585
562	0.1558
563	0.1533
564	0.151
565	0.149
566	0.1502
567	0.1508
568	0.1509
569	0.1507
570	0.1512

2.2. 可见光通道 0.55~0.75 μm



波长/nm	相对响应/%
395	0.0124
396	0.0155
397	0.0196
398	0.0243
399	0.0294
400	0.0345
401	0.0395
402	0.0442
403	0.0482
404	0.0515
405	0.0543
406	0.0567
407	0.0590
408	0.0613
409	0.0639
410	0.0664
411	0.0692
412	0.0721
413	0.0750
414	0.0778
415	0.0802
416	0.0825
417	0.0849

418	0.0877
419	0.0915
420	0.0965
421	0.1025
422	0.1088
423	0.1149
424	0.1204
425	0.1253
426	0.1301
427	0.1349
428	0.1399
429	0.1452
430	0.1504
431	0.1553
432	0.1600
433	0.1644
434	0.1686
435	0.1729
436	0.1772
437	0.1812
438	0.1844
439	0.1862
440	0.1865
441	0.1860
442	0.1858
443	0.1872
444	0.1908
445	0.1956
446	0.1999
447	0.2021
448	0.2011
449	0.1978
450	0.1937
451	0.1901
452	0.1880
453	0.1866
454	0.1848
455	0.1815
456	0.1762
457	0.1693
458	0.1618
459	0.1546
460	0.1481

461	0.1422
462	0.1365
463	0.1311
464	0.1261
465	0.1216
466	0.1178
467	0.1149
468	0.1133
469	0.1123
470	0.1118
471	0.1118
472	0.1126
473	0.1145
474	0.1173
475	0.1215
476	0.1324
477	0.1452
478	0.1596
479	0.1749
480	0.1908
481	0.2074
482	0.2253
483	0.2448
484	0.2662
485	0.2887
486	0.3107
487	0.3301
488	0.3449
489	0.3547
490	0.3592
491	0.3590
492	0.3539
493	0.3448
494	0.3330
495	0.3187
496	0.3049
497	0.2889
498	0.2750
499	0.2811
500	0.3054
501	0.3379
502	0.3787
503	0.4294

504	0.4919
505	0.5677
506	0.6581
507	0.7642
508	0.8873
509	1.0288
510	1.1918
511	1.3917
512	1.6414
513	1.9649
514	2.3411
515	2.7627
516	3.2288
517	3.7430
518	4.3117
519	4.9437
520	5.6499
521	6.4368
522	7.3098
523	8.2731
524	9.3288
525	10.4722
526	11.6926
527	12.9728
528	14.2963
529	15.6761
530	17.1432
531	18.7422
532	20.5236
533	22.5086
534	24.7070
535	27.1256
536	29.7538
537	32.5204
538	35.3232
539	38.0400
540	40.5547
541	42.8488
542	44.9486
543	46.9016
544	48.7611
545	50.5375
546	52.2379

547	53.9063
548	55.5778
549	57.2165
550	58.7636
551	60.1555
552	61.3465
553	62.3688
554	63.2767
555	64.1262
556	64.9699
557	65.8415
558	66.7719
559	67.7938
560	68.9272
561	70.1335
562	71.3572
563	72.5404
564	73.6304
565	74.6020
566	75.4425
567	76.1644
568	76.7879
569	77.3385
570	77.8436
571	78.3311
572	78.8255
573	79.3355
574	79.8660
575	80.4211
576	81.0063
577	81.6362
578	82.3284
579	83.1022
580	83.9755
581	84.9514
582	86.0305
583	87.2132
584	88.4831
585	89.7527
586	90.9226
587	91.9237
588	92.7050
589	93.2555

590	93.5753
591	93.6659
592	93.5485
593	93.3189
594	93.0910
595	92.9780
596	93.0727
597	93.3858
598	93.9091
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603	98.5278
604	99.2896
605	99.8003
606	100.0000
607	99.8579
608	99.3719
609	98.6217
610	97.7073
611	96.7272
612	95.7692
613	94.8798
614	94.0951
615	93.4508
616	92.9696
617	92.6255
618	92.3808
619	92.1979
620	92.0470
621	91.9266
622	91.8420
623	91.7987
624	91.7969
625	91.8161
626	91.8282
627	91.7954
628	91.6790
629	91.4463
630	91.0667
631	90.5098
632	89.7506

633	88.7828
634	87.6058
635	86.2206
636	84.6430
637	82.9437
638	81.2050
639	79.5060
640	77.9192
641	76.4993
642	75.2958
643	74.3559
644	73.7182
645	73.3873
646	73.3573
647	73.6082
648	74.1064
649	74.7751
650	75.5265
651	76.2729
652	76.9380
653	77.4975
654	77.9387
655	78.2483
656	78.4192
657	78.4716
658	78.4334
659	78.3332
660	78.2005
661	78.0659
662	77.9607
663	77.9174
664	77.9612
665	78.0855
666	78.2756
667	78.5172
668	78.7908
669	79.0560
670	79.2671
671	79.3778
672	79.3500
673	79.1760
674	78.8564
675	78.3916

676	77.7907
677	77.0956
678	76.3561
679	75.6219
680	74.9438
681	74.3787
682	73.9845
683	73.8195
684	73.9334
685	74.3412
686	75.0389
687	75.9795
688	77.1049
689	78.3601
690	79.6896
691	81.0371
692	82.3446
693	83.5518
694	84.5972
695	85.4191
696	85.9746
697	86.2959
698	86.4349
699	86.4447
700	86.3690
701	86.2149
702	85.9804
703	85.6630
704	85.2638
705	84.7974
706	84.2823
707	83.7405
708	83.1934
709	82.6595
710	82.1562
711	81.7006
712	81.3116
713	81.0153
714	80.8390
715	80.8100
716	80.9495
717	81.2560
718	81.7233

719	82.3459
720	83.1187
721	84.0320
722	85.0755
723	86.2387
724	87.4972
725	88.7692
726	89.9594
727	90.9834
728	91.7762
729	92.3409
730	92.6985
731	92.8706
732	92.8668
733	92.6496
734	92.1711
735	91.3852
736	90.2668
737	88.8620
738	87.2341
739	85.4442
740	83.5416
741	81.5388
742	79.4390
743	77.2454
744	74.9657
745	72.6249
746	70.2509
747	67.8736
748	65.5122
749	63.1517
750	60.7717
751	58.3565
752	55.9015
753	53.4300
754	50.9700
755	48.5471
756	46.1773
757	43.8487
758	41.5459
759	39.2579
760	36.9802
761	34.7233

762	32.4993
763	30.3198
764	28.1965
765	26.1460
766	24.1830
767	22.3186
768	20.5580
769	18.8950
770	17.3231
771	15.8384
772	14.4397
773	13.1300
774	11.9134
775	10.7944
776	9.7758
777	8.8529
778	8.0196
779	7.2705
780	6.6013
781	6.0085
782	5.4888
783	5.0381
784	4.6520
785	4.3256
786	4.0538
787	3.8310
788	3.6515
789	3.5094
790	3.3988
791	3.3137
792	3.2480
793	3.1963
794	3.1530
795	3.1127
796	3.0708
797	3.0261
798	2.9783
799	2.9270
800	2.8722
801	2.8150
802	2.7569
803	2.6991
804	2.6425

805	2.5867
806	2.5312
807	2.4754
808	2.4192
809	2.3628
810	2.3070
811	2.2523
812	2.1993
813	2.1489
814	2.1020
815	2.0593
816	2.0216
817	1.9887
818	1.9602
819	1.9359
820	1.9155
821	1.8983
822	1.8841
823	1.8719
824	1.8616
825	1.8528
826	1.8451
827	1.8385
828	1.8325
829	1.8270
830	1.8220
831	1.8171
832	1.8121
833	1.8068
834	1.8011
835	1.7946
836	1.7872
837	1.7790
838	1.7701
839	1.7610
840	1.7516
841	1.7425
842	1.7340
843	1.7264
844	1.7199
845	1.7133
846	1.7052
847	1.6945

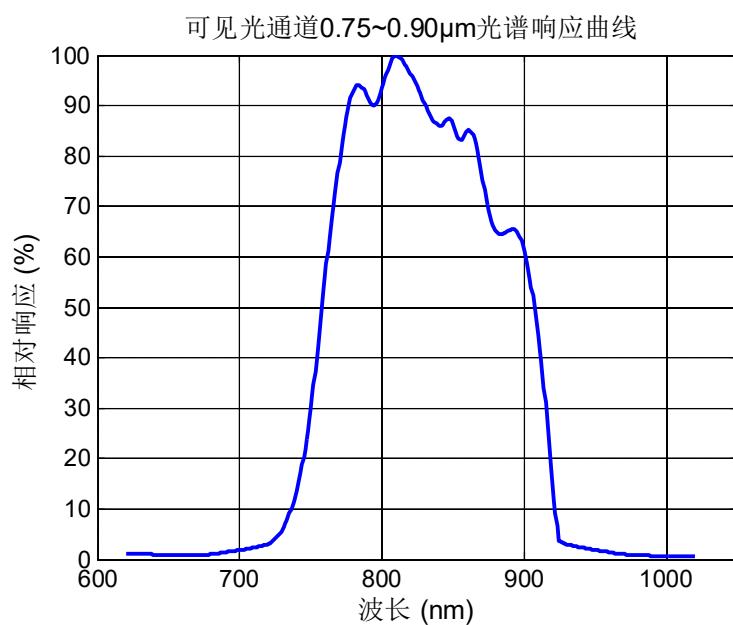
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850	1.6376
851	1.6100
852	1.5786
853	1.5459
854	1.5150
855	1.4888
856	1.4691
857	1.4537
858	1.4398
859	1.4246
860	1.4059
861	1.3840
862	1.3594
863	1.3327
864	1.3045
865	1.2749
866	1.2436
867	1.2108
868	1.1764
869	1.1407
870	1.1042
871	1.0672
872	1.0300
873	0.9929
874	0.9560
875	0.9194
876	0.8832
877	0.8478
878	0.8131
879	0.7795
880	0.7470
881	0.7158
882	0.6858
883	0.6571
884	0.6297
885	0.6036
886	0.5790
887	0.5557
888	0.5339
889	0.5136
890	0.4948

891	0.4776
892	0.4620
893	0.4482
894	0.4363
895	0.4266
896	0.4191
897	0.4140
898	0.4107
899	0.4088
900	0.4082
901	0.4089
902	0.4104
903	0.4129
904	0.4160
905	0.4196
906	0.4233
907	0.4270
908	0.4305
909	0.4336
910	0.4361
911	0.4380
912	0.4390
913	0.4391
914	0.4380
915	0.4356
916	0.4319
917	0.4268
918	0.4208
919	0.4138
920	0.4062
921	0.3980
922	0.3893
923	0.3802
924	0.3708
925	0.3614
926	0.3519
927	0.3426
928	0.3336
929	0.3249
930	0.3165
931	0.3085
932	0.3011
933	0.2941

934	0.2879
935	0.2824
936	0.2781
937	0.2747
938	0.2722
939	0.2703
940	0.2692
941	0.2687
942	0.2687
943	0.2689
944	0.2695
945	0.2703
946	0.2713
947	0.2723
948	0.2734
949	0.2744
950	0.2752
951	0.2758
952	0.2760
953	0.2758
954	0.2751
955	0.2737
956	0.2719
957	0.2695
958	0.2667
959	0.2635
960	0.2600
961	0.2562
962	0.2521
963	0.2479
964	0.2435
965	0.2391
966	0.2347
967	0.2304
968	0.2261
969	0.2221
970	0.2183
971	0.2147
972	0.2113
973	0.2082
974	0.2056
975	0.2034
976	0.2017

977	0.2005
978	0.1995
979	0.1986
980	0.1978
981	0.1970
982	0.1961
983	0.1953
984	0.1942
985	0.1931
986	0.1917
987	0.1901
988	0.1883
989	0.1863
990	0.1840
991	0.1815
992	0.1788
993	0.1757
994	0.1723
995	0.1686
996	0.1648
997	0.1608
998	0.1565
999	0.1522
1000	0.1479

2.3. 可见光通道 0.75~0.90 μm



波长/nm	相对响应/%
620	1.0263
621	1.0343
622	1.0424
623	1.0505
624	1.0587
625	1.0665
626	1.0737
627	1.0799
628	1.0846
629	1.0876
630	1.0885
631	1.0872
632	1.0833
633	1.0771
634	1.0685
635	1.0577
636	1.045
637	1.0309
638	1.0162
639	1.0016
640	0.9876
641	0.9749
642	0.9639
643	0.9551
644	0.9489
645	0.9452
646	0.9437
647	0.9441
648	0.9461
649	0.9487
650	0.951
651	0.952
652	0.9508
653	0.9474
654	0.9418
655	0.9343
656	0.925
657	0.9144
658	0.903
659	0.8915

660	0.8805
661	0.8704
662	0.8617
663	0.8549
664	0.8504
665	0.8484
666	0.8489
667	0.8519
668	0.8576
669	0.8653
670	0.875
671	0.8864
672	0.8987
673	0.9127
674	0.9282
675	0.9455
676	0.9648
677	0.986
678	1.0092
679	1.0344
680	1.0616
681	1.0909
682	1.1225
683	1.1567
684	1.1935
685	1.2327
686	1.2738
687	1.3164
688	1.36
689	1.4043
690	1.4492
691	1.4943
692	1.5394
693	1.584
694	1.6279
695	1.6706
696	1.7117
697	1.7519
698	1.792
699	1.8331
700	1.8759
701	1.9204
702	1.9664

703	2.0134
704	2.0613
705	2.11
706	2.1594
707	2.2097
708	2.2609
709	2.313
710	2.3665
711	2.4216
712	2.4784
713	2.5373
714	2.5985
715	2.6622
716	2.7291
717	2.8024
718	2.8858
719	2.983
720	3.098
721	3.2347
722	3.3972
723	3.5898
724	3.8168
725	4.0802
726	4.3815
727	4.7212
728	5.1001
729	5.5211
730	5.9883
731	6.5057
732	7.0769
733	7.7024
734	8.3809
735	9.1096
736	9.8859
737	10.715
738	11.605
739	12.5652
740	13.6057
741	14.734
742	15.9566
743	17.2808
744	18.7147
745	20.2699

746	21.9581
747	23.7834
748	25.7474
749	27.8409
750	30.0493
751	32.3548
752	34.7396
753	37.1994
754	39.7352
755	42.3503
756	45.0445
757	47.7953
758	50.5708
759	53.3354
760	56.0534
761	58.7023
762	61.2639
763	63.7207
764	66.061
765	68.2958
766	70.4479
767	72.5532
768	74.6438
769	76.713
770	78.7417
771	80.7081
772	82.5912
773	84.3794
774	86.0634
775	87.6334
776	89.0766
777	90.3724
778	91.4973
779	92.4283
780	93.1481
781	93.6626
782	93.9844
783	94.1268
784	94.1035
785	93.9279
786	93.6162
787	93.1943
788	92.6923

789	92.1452
790	91.5893
791	91.06
792	90.596
793	90.2511
794	90.0828
795	90.1483
796	90.4849
797	91.0472
798	91.7692
799	92.5841
800	93.4357
801	94.3112
802	95.21
803	96.1329
804	97.0683
805	97.9511
806	98.7094
807	99.3039
808	99.7111
809	99.938
810	100
811	99.9126
812	99.695
813	99.3782
814	98.9964
815	98.5835
816	98.1663
817	97.7465
818	97.3193
819	96.8803
820	96.4253
821	95.9496
822	95.4488
823	94.9188
824	94.3562
825	93.7584
826	93.1239
827	92.453
828	91.7501
829	91.0339
830	90.3261
831	89.6478

832	89.0168
833	88.4386
834	87.9157
835	87.4504
836	87.0447
837	86.7011
838	86.4224
839	86.2113
840	86.0739
841	86.0283
842	86.0962
843	86.3002
844	86.6402
845	87.0228
846	87.3304
847	87.4489
848	87.2915
849	86.884
850	86.2813
851	85.5396
852	84.7284
853	83.9678
854	83.3924
855	83.1388
856	83.2938
857	83.7379
858	84.2975
859	84.7964
860	85.0885
861	85.1544
862	85.007
863	84.6598
864	84.1195
865	83.3645
866	82.3755
867	81.1685
868	79.7745
869	78.2456
870	76.6377
871	75.0054
872	73.3992
873	71.8604
874	70.4273

875	69.1369
876	68.0184
877	67.0716
878	66.2895
879	65.6653
880	65.1909
881	64.8527
882	64.6363
883	64.5272
884	64.5108
885	64.5702
886	64.688
887	64.8481
888	65.0327
889	65.2171
890	65.3748
891	65.479
892	65.5049
893	65.4359
894	65.2576
895	64.9548
896	64.5135
897	63.9257
898	63.1865
899	62.292
900	61.2421
901	60.0455
902	58.7133
903	57.2577
904	55.6916
905	54.0292
906	52.2802
907	50.4346
908	48.4794
909	46.408
910	44.2145
911	41.8924
912	39.4328
913	36.8219
914	34.0447
915	31.0869
916	27.9497
917	24.6958

918	21.4003
919	18.1348
920	14.9673
921	11.9615
922	9.1804
923	6.6872
924	3.7795
925	3.5926
926	3.4333
927	3.2958
928	3.1813
929	3.0814
930	2.9954
931	2.9175
932	2.8468
933	2.7779
934	2.7146
935	2.651
936	2.5928
937	2.5346
938	2.4782
939	2.4262
940	2.374
941	2.3229
942	2.2756
943	2.2247
944	2.1763
945	2.1291
946	2.0802
947	2.0354
948	1.9885
949	1.9405
950	1.8939
951	1.8485
952	1.8002
953	1.7533
954	1.7035
955	1.6567
956	1.6105
957	1.5628
958	1.5161
959	1.4708
960	1.4256

961	1.3832
962	1.3408
963	1.2987
964	1.2594
965	1.2202
966	1.1834
967	1.1488
968	1.1161
969	1.0856
970	1.056
971	1.0303
972	1.0023
973	0.9782
974	0.958
975	0.938
976	0.9192
977	0.9035
978	0.8883
979	0.8731
980	0.8611
981	0.8477
982	0.8345
983	0.822
984	0.8094
985	0.7998
986	0.7887
987	0.777
988	0.7665
989	0.7567
990	0.7461
991	0.7363
992	0.727
993	0.7185
994	0.7093
995	0.7011
996	0.6934
997	0.6858
998	0.6784
999	0.672
1000	0.6656
1001	0.6594
1002	0.6544
1003	0.6512

1004	0.6467
1005	0.6442
1006	0.6433
1007	0.6412
1008	0.6418
1009	0.6423
1010	0.6452
1011	0.6465
1012	0.651
1013	0.6558
1014	0.6613
1015	0.6683
1016	0.6768
1017	0.6847
1018	0.6942
1019	0.7042
1020	0.7137