

表1. 比誘電率の実部 ϵ' と虚部 ϵ'' および $\tan \delta$ の関係

ϵ'	ϵ''^2	ϵ''	$\tan \delta = \epsilon'' / \epsilon'$
4	0	0	0
4.1	1.19	1.090871	0.266066149
4.2	2.36	1.536229	0.365768845
4.3	3.51	1.873499	0.435697535
4.4	4.64	2.154066	0.489560437
4.5	5.75	2.397916	0.532870169
4.6	6.84	2.615339	0.568552036
4.7	7.91	2.812472	0.598398345
4.8	8.96	2.993326	0.623609564
4.9	9.99	3.160696	0.645040026
5	11	3.316625	0.663324958
5.1	11.99	3.462658	0.678952537
5.2	12.96	3.6	0.692307692
5.3	13.91	3.729611	0.703700234
5.4	14.84	3.852272	0.713383714
5.5	15.75	3.968627	0.721568539
5.6	16.64	4.079216	0.728431359
5.7	17.51	4.184495	0.734121963
5.8	18.36	4.284857	0.738768458
5.9	19.19	4.380639	0.742481224
6	20	4.472136	0.745355992
6.1	20.79	4.559605	0.74747627
6.2	21.56	4.643275	0.748915275
6.3	22.31	4.723346	0.749737503
6.4	23.04	4.8	0.75
6.5	23.75	4.873397	0.749753411
6.6	24.44	4.943683	0.749042854
6.7	25.11	5.010988	0.747908646
6.8	25.76	5.075431	0.746386914
6.9	26.39	5.13712	0.744510118
7	27	5.196152	0.742307489
7.1	27.59	5.252618	0.739805408
7.2	28.16	5.3066	0.737027731
7.3	28.71	5.358171	0.733996073
7.4	29.24	5.407402	0.730730045
7.5	29.75	5.454356	0.727247474
7.6	30.24	5.499091	0.723564583
7.7	30.71	5.54166	0.719696156
7.8	31.16	5.582114	0.715655679
7.9	31.59	5.620498	0.711455468
8	32	5.656854	0.707106781
8.1	32.39	5.691221	0.702619915
8.2	32.76	5.723635	0.698004294
8.3	33.11	5.754129	0.693268548
8.4	33.44	5.782733	0.688420585
8.5	33.75	5.809475	0.683467649
8.6	34.04	5.834381	0.678416379
8.7	34.31	5.857474	0.673272857
8.8	34.56	5.878775	0.668042657
8.9	34.79	5.898305	0.662730881
9	35	5.91608	0.657342198
9.1	35.19	5.932116	0.651880877
9.2	35.36	5.946427	0.646350815
9.3	35.51	5.959027	0.640755566
9.4	35.64	5.969925	0.635098364