



High Performance  
Radomes

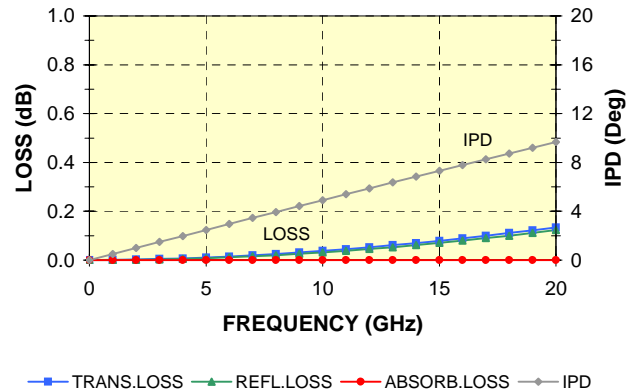
# RAYDEL M26

Dielectric Constant = 2.80 Loss Tan = .005 Thickness(in) = 0.018

## RF PERFORMANCE AND IPD AT NORMAL INCIDENCE

FREQ. (GHz)	TRANS.LOSS (dB)	REFL.LOSS (dB)	ABSORB.LOSS (dB)	IPD (Deg)
0	0.000	0.000	0.000	0.000
1	0.001	0.000	0.001	0.494
2	0.002	0.001	0.001	0.988
3	0.005	0.003	0.002	1.481
4	0.007	0.005	0.002	1.974
5	0.011	0.008	0.003	2.467
6	0.015	0.012	0.003	2.958
7	0.020	0.016	0.004	3.448
8	0.025	0.020	0.005	3.938
9	0.031	0.026	0.005	4.426
10	0.038	0.032	0.006	4.912
11	0.045	0.038	0.006	5.397
12	0.053	0.046	0.007	5.881
13	0.061	0.053	0.007	6.362
14	0.070	0.062	0.008	6.842
15	0.079	0.071	0.009	7.319
16	0.089	0.080	0.009	7.794
17	0.100	0.090	0.010	8.267
18	0.111	0.100	0.010	8.738
19	0.122	0.111	0.011	9.206
20	0.134	0.123	0.011	9.671

**RAYDEL M26 RF PERFORMANCE  
AT NORMAL INCIDENCE**



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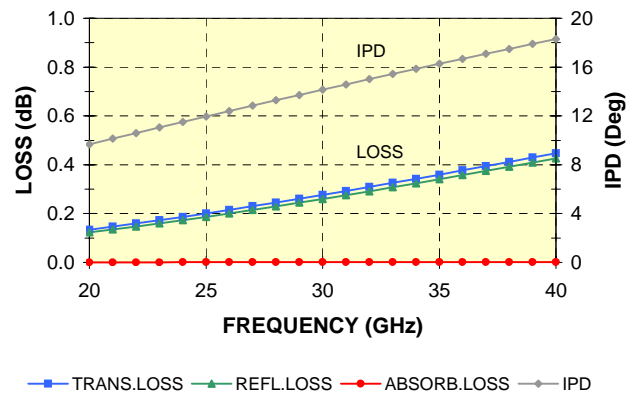
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FREQ. (GHz)	TRANS.LOSS (dB)	REFL.LOSS (dB)	ABSORB.LOSS (dB)	IPD (Deg)
20	0.134	0.123	0.011	9.671
21	0.147	0.135	0.012	10.133
22	0.159	0.147	0.012	10.593
23	0.173	0.160	0.013	11.049
24	0.187	0.173	0.014	11.503
25	0.201	0.187	0.014	11.953
26	0.215	0.201	0.015	12.401
27	0.230	0.215	0.015	12.844
28	0.245	0.230	0.016	13.285
29	0.261	0.245	0.016	13.722
30	0.277	0.260	0.017	14.156
31	0.293	0.276	0.017	14.586
32	0.309	0.292	0.018	15.012
33	0.326	0.308	0.018	15.435
34	0.343	0.324	0.019	15.854
35	0.360	0.341	0.019	16.270
36	0.377	0.357	0.020	16.682
37	0.394	0.374	0.020	17.090
38	0.412	0.391	0.020	17.494
39	0.430	0.409	0.021	17.894
40	0.447	0.426	0.021	18.291

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