

Product Template – Change URL

Revision No : A

Dielectric Constant (DK) / Dissipation Factor (DF) Table

Core Data

Constructions	Resin Content %	Standard/Alternate	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)					
					100 MHz	500 MHz	1 GHz	2 GHz	5 GHz	10 GHz
1x106	70.0%	Standard	0.002	0.5	4.2	4.2	4.1	4.1	4.1	4.1
1x1080	62.0%	Standard	0.003	0.8	4.4	4.3	4.2	4.2	4.2	4.2
1x2116	43.0%	Standard	0.004	1	4.9	4.7	4.7	4.7	4.6	4.6
1x3313	56.0%	Standard	0.004	1	4.5	4.4	4.4	4.4	4.4	4.4
1x2116	55.0%	Standard	0.005	1.3	4.6	4.5	4.4	4.4	4.4	4.4
2x1080	62.0%	Standard	0.006	1.5	4.4	4.3	4.2	4.2	4.2	4.2
1x7628	42.0%	Standard	0.007	1.8	4.9	4.7	4.7	4.7	4.7	4.7
1x7628	47.0%	Standard	0.008	2	4.8	4.6	4.6	4.6	4.6	4.5
2x3313	56.0%	Standard	0.008	2	4.5	4.4	4.4	4.4	4.4	4.4
2x2116	55.0%	Standard	0.01	2.5	4.6	4.5	4.4	4.4	4.4	4.4
2x7628	42.0%	Standard	0.014	3.6	4.9	4.7	4.7	4.7	4.7	4.7
2x7628	47.0%	Standard	0.016	4.1	4.8	4.6	4.6	4.6	4.6	4.5

Constructions	Resin Content %	Standard/Alternate	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)					
					100 MHz	500 MHz	1 GHz	2 GHz	5 GHz	10 GHz
3x7628	42.0%	Standard	0.02	5.1	4.9	4.7	4.7	4.7	4.7	4.7
4x7628	42.0%	Standard	0.028	7.1	4.9	4.7	4.7	4.7	4.7	4.7
4x7628	47.0%	Standard	0.031	7.9	4.8	4.6	4.6	4.6	4.6	4.5
5x7628	47.0%	Standard	0.039	9.9	4.8	4.6	4.6	4.6	4.6	4.5
6x7628	42.0%	Standard	0.042	10.7	4.9	4.7	4.7	4.7	4.7	4.7
6x7628	44.0%	Standard	0.044	11.2	4.8	4.7	4.6	4.7	4.6	4.6
6x7628	47.0%	Standard	0.047	11.9	4.8	4.6	4.6	4.6	4.6	4.5
8x7628	44.0%	Standard	0.059	15	4.8	4.7	4.6	4.7	4.6	4.6
8x7628	47.0%	Standard	0.063	16	4.8	4.6	4.6	4.6	4.6	4.5

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Resin Content %	Standard/Alternate	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)					
				100 MHz	500 MHz	1 GHz	2 GHz	5 GHz	10 GHz
70.0%	Standard	0.0019	0.05	4.2	4.2	4.1	4.1	4.1	4.1
74.0%	Standard	0.0022	0.06	4.2	4.1	4.0	4.0	4.0	4.0
76.0%	Standard	0.0024	0.06	4.1	4.1	4.0	4.0	4.0	4.0
62.0%	Standard	0.0028	0.07	4.4	4.3	4.2	4.2	4.2	4.2
75.0%	Standard	0.0028	0.07	4.1	4.1	4.0	4.0	4.0	4.0
68.0%	Standard	0.0033	0.08	4.3	4.2	4.1	4.1	4.1	4.1
72.0%	Standard	0.0039	0.10	4.2	4.2	4.2	4.1	4.1	4.1
55.0%	Standard	0.0049	0.12	4.6	4.5	4.4	4.4	4.4	4.4
58.0%	Standard	0.0055	0.14	4.5	4.4	4.3	4.3	4.3	4.3
42.0%	Standard	0.0070	0.18	4.9	4.7	4.7	4.7	4.7	4.7
46.0%	Standard	0.0077	0.20	4.8	4.7	4.6	4.6	4.6	4.6
47.0%	Standard	0.0079	0.20	4.8	4.6	4.6	4.6	4.6	4.5

Resin Content %	Standard/Alternate	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)					
				100 MHz	500 MHz	1 GHz	2 GHz	5 GHz	10 GHz
52.0%	Standard	0.0088	0.22	4.6	4.5	4.5	4.5	4.4	4.4

NOTE

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