

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

Core Data

Construction	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)					
				100 MHz	500 MHz	1 GHz	2 GHz	5 GHz	10 GHz
1x106	73.0%	0.002	0.051	3.36 0.0103	3.32 0.0116	3.31 0.0133	3.29 0.0139	3.27 0.0147	3.26 0.0145
1x1080	59.0%	0.0027	0.069	3.63 0.0096	3.61 0.0106	3.60 0.012	3.58 0.0124	3.57 0.0131	3.56 0.0129
1x1080	64.0%	0.003	0.076	3.52 0.01	3.50 0.011	3.49 0.0124	3.47 0.0129	3.46 0.0137	3.45 0.0135
2x106	67.0%	0.0035	0.089	3.46 0.01	3.44 0.0112	3.43 0.0127	3.41 0.0133	3.39 0.014	3.38 0.0138
1x3313	49.0%	0.0035	0.089	3.86 0.009	3.84 0.0099	3.83 0.011	3.82 0.0114	3.80 0.012	3.80 0.0118
1x3313	54.0%	0.004	0.102	3.74 0.0093	3.72 0.0103	3.71 0.0115	3.70 0.0119	3.68 0.0125	3.67 0.0124
2x106	70.0%	0.004	0.102	3.40 0.0101	3.38 0.0114	3.37 0.013	3.35 0.0136	3.33 0.0144	3.32 0.0142
1x3070	48.0%	0.004	0.102	3.88 0.009	3.87 0.0098	3.86 0.0109	3.84 0.0113	3.83 0.0119	3.82 0.0117
106/1080	61.0%	0.0043	0.109	3.58 0.0097	3.56 0.0108	3.55 0.0122	3.54 0.0126	3.52 0.0133	3.51 0.0132
1x2116	52.0%	0.0048	0.122	3.76 0.0092	3.74 0.0102	3.73 0.0113	3.72 0.0117	3.71 0.0123	3.70 0.0123
2x1080	57.0%	0.005	0.127	3.67 0.0095	3.65 0.0105	3.64 0.0118	3.63 0.0122	3.61 0.0129	3.60 0.0127
1x2116	53.0%	0.005	0.127	3.76 0.0092	3.74 0.0102	3.73 0.0114	3.72 0.0118	3.71 0.0124	3.70 0.0123

Construction	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)					
				100 MHz	500 MHz	1 GHz	2 GHz	5 GHz	10 GHz
106/2113	56.0%	0.0053	0.135	3.69 0.0094	3.67 0.0104	3.66 0.0117	3.65 0.0121	3.63 0.0128	3.63 0.0126
1x1652	46.0%	0.0055	0.14	3.94 0.0089	3.92 0.0097	3.91 0.0108	3.90 0.0111	3.88 0.0116	3.88 0.0125
106/2113	58.0%	0.0055	0.14	3.65 0.0095	3.63 0.0105	3.62 0.0119	3.60 0.0123	3.59 0.013	3.58 0.0128
1080/2113	54.0%	0.006	0.152	3.74 0.0093	3.72 0.0103	3.71 0.0115	3.70 0.0119	3.68 0.0125	3.67 0.0124
1x1652	50.0%	0.006	0.152	3.84 0.0091	3.82 0.01	3.81 0.0111	3.79 0.0115	3.78 0.0121	3.77 0.0119
2x1080	63.0%	0.006	0.152	3.54 0.0098	3.52 0.0109	3.51 0.0123	3.49 0.0128	3.48 0.0136	3.47 0.0134
2x3313	54.0%	0.008	0.203	3.74 0.0093	3.72 0.0103	3.71 0.0115	3.70 0.0119	3.68 0.0125	3.67 0.0124
2x2116	53.0%	0.01	0.254	3.75 0.0092	3.73 0.0102	3.72 0.0114	3.71 0.0118	3.69 0.0124	3.68 0.0123
1x1080/2x2116	52.0%	0.012	0.305	3.76 0.0092	3.74 0.0102	3.73 0.0113	3.72 0.0117	3.71 0.0123	3.70 0.0123
3x2116	52.0%	0.014	0.356	3.76 0.0092	3.74 0.0102	3.73 0.0113	3.72 0.0117	3.71 0.0123	3.70 0.0123
2x7628/1080	42.0%	0.016	0.406	4.04 0.0087	4.02 0.0094	4.01 0.0104	4.00 0.0107	3.99 0.0112	3.99 0.011
2x7628/2116	41.0%	0.018	0.457	4.07 0.0086	4.05 0.0094	4.04 0.0103	4.03 0.0106	4.02 0.0111	4.01 0.0109

NOTE

Please Contact us for more details in below details.

Isola Group 3100 West Ray Road

Suite 301

Chandler, AZ 85226

Phone: 480-893-6527

Phone: 800-537-7656

Fax: 480-893-1409

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

Prepreg Data

Glass Style	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)					
				100 MHz	500 MHz	1 GHz	2 GHz	5 GHz	10 GHz
106	75.0%	0.0023	0.058	3.31 0.0104	3.28 0.0117	3.27 0.0135	3.25 0.0141	3.23 0.015	3.23 0.0147
1080	65.0%	0.0031	0.079	3.50 0.0099	3.48 0.011	3.47 0.0127	3.45 0.0131	3.43 0.0138	3.43 0.0136
1080	68.0%	0.0034	0.086	3.44 0.01	3.42 0.0112	3.41 0.0128	3.39 0.0134	3.37 0.0141	3.36 0.0139
3313	53.0%	0.0037	0.094	3.76 0.0092	3.74 0.0102	3.73 0.0114	3.72 0.0118	3.71 0.0124	3.70 0.0123
1080	71.0%	0.0038	0.097	3.38 0.0102	3.35 0.0115	3.35 0.0131	3.33 0.0137	3.31 0.0145	3.30 0.0143
2113	57.0%	0.004	0.102	3.67 0.0095	3.65 0.0105	3.64 0.0118	3.63 0.0122	3.61 0.0129	3.60 0.0127
3313	59.0%	0.0041	0.104	3.74 0.0096	3.72 0.0106	3.71 0.012	3.70 0.0124	3.68 0.0131	3.67 0.0129
2116	56.0%	0.0051	0.13	3.69 0.0094	3.67 0.0104	3.66 0.0117	3.65 0.0121	3.63 0.0128	3.63 0.0126
1652	50.0%	0.0058	0.147	3.84 0.0091	3.82 0.01	3.81 0.0111	3.79 0.0115	3.78 0.0121	3.77 0.0119
7628	44.0%	0.0071	0.18	3.99 0.0088	3.97 0.0096	3.96 0.0106	3.95 0.011	3.94 0.011	3.93 0.011

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