

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%	0.0020	0.051	3.39 0.0112	3.37 0.0125	3.36 0.0143	3.34 0.0149	3.32 0.0152	3.31 0.0152
1x1067	70.0%	0.0025	0.064	3.45 0.0112	3.43 0.0113	3.41 0.0127	3.40 0.0131	3.38 0.0134	3.37 0.0134
1x1080	57.0%	0.0025	0.064	3.72 0.0110	3.70 0.0123	3.69 0.0140	3.67 0.0146	3.66 0.0149	3.65 0.0149
1x1080	63.0%	0.0030	0.076	3.59 0.0106	3.57 0.0118	3.56 0.0133	3.54 0.0138	3.53 0.0141	3.52 0.0141
2x106	66.0%	0.0035	0.089	3.53 0.0108	3.51 0.0120	3.50 0.0136	3.48 0.0141	3.46 0.0144	3.45 0.0144
1x3313	51.0%	0.0035	0.089	3.86 0.0099	3.84 0.0108	3.83 0.0120	3.82 0.0125	3.80 0.0127	3.80 0.0127
1x1086	64.0%	0.0035	0.089	3.57 0.0106	3.55 0.0118	3.54 0.0133	3.52 0.0139	3.50 0.0142	3.50 0.0142
1x3313	54.0%	0.0040	0.102	3.79 0.0101	3.77 0.0111	3.76 0.0123	3.74 0.0128	3.73 0.0130	3.72 0.0130
2x106	71.0%	0.0045	0.114	3.43 0.0098	3.41 0.0107	3.40 0.0118	3.38 0.0122	3.36 0.0125	3.35 0.0125
1x2116	49.0%	0.0045	0.114	3.91 0.0098	3.89 0.0107	3.88 0.0118	3.87 0.0122	3.85 0.0125	3.85 0.0125
106/1067	71.0%	0.0045	0.114	3.43 0.0110	3.41 0.0124	3.40 0.0141	3.38 0.0147	3.36 0.0150	3.35 0.0150
2x1080	57.0%	0.0050	0.127	3.72 0.0112	3.70 0.0113	3.69 0.0127	3.67 0.0131	3.66 0.0134	3.65 0.0134

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
1x2116	54.0%	0.0050	0.127	3.79 0.0101	3.77 0.0111	3.76 0.0123	3.74 0.0128	3.73 0.0130	3.73 0.0130
2x1067	70.0%	0.0050	0.127	3.45 0.0110	3.43 0.0123	3.41 0.0140	3.40 0.0146	3.38 0.0149	3.37 0.0149
106/1080	67.0%	0.0053	0.135	3.51 0.0108	3.49 0.0121	3.48 0.0137	3.46 0.0142	3.44 0.0145	3.43 0.0145
106/3313	56.0%	0.0055	0.140	3.75 0.0102	3.72 0.0112	3.71 0.0126	3.70 0.0130	3.68 0.0133	3.68 0.0133
2x1080	63.0%	0.0060	0.152	3.59 0.0106	3.57 0.0118	3.56 0.0133	3.54 0.0138	3.53 0.0141	3.53 0.0141
2x1086	64.0%	0.0070	0.178	3.57 0.0106	3.55 0.0118	3.54 0.0133	3.52 0.0139	3.50 0.0142	3.50 0.0142
2x3313	51.0%	0.0070	0.178	3.86 0.0099	3.84 0.0108	3.83 0.0120	3.82 0.0125	3.80 0.0127	3.80 0.0127
2x3313	54.0%	0.0080	0.203	3.79 0.0101	3.77 0.0111	3.76 0.0123	3.74 0.0128	3.73 0.0130	3.73 0.0130
2x2116	54.0%	0.0100	0.254	3.79 0.0101	3.77 0.0111	3.76 0.0123	3.74 0.0128	3.73 0.0130	3.73 0.0130
3x3313	54.0%	0.0120	0.305	3.79 0.0101	3.77 0.0111	3.76 0.0123	3.74 0.0128	3.73 0.0130	3.73 0.0130
2x2116/3313	54.0%	0.0140	0.356	3.79 0.0101	3.77 0.0111	3.76 0.0123	3.74 0.0128	3.73 0.0130	3.73 0.0130
2x2116/7628	45.0%	0.0160	0.406	4.01 0.0096	3.99 0.0104	3.98 0.0114	3.97 0.0118	3.96 0.0120	3.95 0.0120
3313/2x7628	43.0%	0.0180	0.457	4.05 0.0095	4.03 0.0103	4.02 0.0112	4.00 0.0170	4.01 0.0118	3.99 0.0118

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%	0.0024	0.061	3.36 0.0113	3.33 0.0127	3.32 0.0145	3.30 0.0151	3.28 0.0155	3.27 0.0155
1067	70.0%	0.0024	0.061	3.45 0.0110	3.43 0.0123	3.41 0.0140	3.40 0.0146	3.38 0.0149	3.38 0.0149
1080	65.0%	0.0031	0.079	3.55 0.0107	3.53 0.0119	3.52 0.0135	3.50 0.0140	3.48 0.0143	3.48 0.0143
1080	68.0%	0.0035	0.089	3.49 0.0109	3.47 0.0121	3.45 0.0138	3.44 0.0143	3.42 0.0147	3.41 0.0146
1086	64.0%	0.0038	0.097	3.57 0.0106	3.55 0.0118	3.54 0.0134	3.52 0.0139	3.50 0.0142	3.50 0.0142
3313	54.0%	0.0039	0.099	3.79 0.0101	3.77 0.0111	3.76 0.0123	3.74 0.0128	3.73 0.0130	3.72 0.0130
3313	59.0%	0.0045	0.114	3.68 0.0104	3.66 0.0115	3.65 0.0129	3.63 0.0133	3.61 0.0136	3.61 0.0136
3313	61.0%	0.0048	0.122	3.64 0.0105	3.61 0.0115	3.60 0.0129	3.59 0.0133	3.57 0.0136	3.56 0.0136
2116	57.0%	0.0053	0.135	3.72 0.0102	3.70 0.0113	3.69 0.0127	3.67 0.0131	3.66 0.0134	3.65 0.0134
1652	50.0%	0.0059	0.150	3.89 0.0098	3.87 0.0108	3.86 0.0119	3.84 0.0123	3.83 0.0126	3.82 0.0126

NOTE

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