

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	70.0%	0.0020	0.051	3.67 0.0150	3.63 0.0170	3.61 0.0196	3.58 0.0205	3.57 0.0243	3.57 0.0287
1x106	74.0%	0.0025	0.064	3.61 0.0155	3.56 0.0176	3.54 0.0203	3.51 0.0213	3.50 0.0253	3.50 0.0302
1x1080	61.0%	0.0030	0.076	3.83 0.0140	3.79 0.0157	3.78 0.0180	3.75 0.0188	3.73 0.0221	3.73 0.0259
2x106	66.0%	0.0035	0.089	3.74 0.0145	3.70 0.0164	3.68 0.0189	3.65 0.0197	3.64 0.0233	3.64 0.0275
2x106	70.0%	0.0042	0.107	3.67 0.0150	3.63 0.0170	3.61 0.0196	3.58 0.0205	3.57 0.0243	3.57 0.0287
106/1080	61.0%	0.0045	0.114	3.83 0.0140	3.79 0.0157	3.78 0.0180	3.75 0.0188	3.73 0.0221	3.73 0.0259
106/1080	65.0%	0.0050	0.127	3.76 0.0144	3.72 0.0163	3.70 0.0187	3.67 0.0195	3.66 0.0231	3.66 0.0272
106/2113	53.0%	0.0053	0.135	3.99 0.0130	3.95 0.0146	3.94 0.0166	3.91 0.0172	3.90 0.0201	3.90 0.0235
106/2116	49.0%	0.0060	0.152	4.07 0.0126	4.04 0.0140	4.03 0.0158	4.00 0.0164	3.99 0.0191	3.99 0.0222
1080/2116	51.0%	0.0070	0.178	4.03 0.0128	4.00 0.0143	3.98 0.0162	3.96 0.0168	3.94 0.0196	3.94 0.0228
2113/2116	47.0%	0.0080	0.203	4.12 0.0123	4.09 0.0137	4.07 0.0155	4.05 0.0160	4.04 0.0186	4.04 0.0216
2x2113/106	54.0%	0.0090	0.229	3.97 0.0132	3.93 0.0147	3.92 0.0167	3.89 0.0174	3.88 0.0203	3.88 0.0238

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
2x1080/2116	54.0%	0.0100	0.254	3.97 0.0132	3.93 0.0147	3.92 0.0167	3.89 0.0174	3.88 0.0203	3.88 0.0238
2x2116/2113	47.0%	0.0120	0.305	4.12 0.0123	4.09 0.0137	4.07 0.0155	4.05 0.0160	4.04 0.0186	4.04 0.0216
2x7628	39.0%	0.0140	0.356	4.32 0.0109	4.25 0.0122	4.24 0.0139	4.23 0.0144	4.20 0.0169	4.20 0.0192
2x7628/1080	42.0%	0.0160	0.406	4.04 0.0087	4.02 0.0094	4.01 0.0104	4.00 0.0107	3.99 0.0112	3.99 0.0110
2x7628/106	40.0%	0.0160	0.406	4.26 0.0111	4.23 0.0124	4.22 0.0141	4.21 0.0146	4.18 0.0171	4.18 0.0195
2x7628/2116	41.0%	0.0180	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
2x7628/2113	41.0%	0.0180	0.457	4.24 0.0113	4.21 0.0126	4.20 0.0143	4.19 0.0148	4.16 0.0173	4.16 0.0198
2x2113/2x7628	42.0%	0.0200	0.508	4.22 0.0115	4.19 0.0128	4.18 0.0145	4.17 0.0150	4.14 0.0175	4.14 0.0201
3x7628/2116	40.0%	0.0240	0.610	4.26 0.0111	4.23 0.0124	4.22 0.0141	4.21 0.0146	4.18 0.0171	4.18 0.0195
4x7628	39.0%	0.0280	0.711	4.28 0.0109	4.25 0.0122	4.24 0.0139	4.23 0.0144	4.20 0.0169	4.20 0.0192
6x7628	36.0%	0.0390	0.991	4.34 0.0103	4.31 0.0116	4.30 0.0133	4.29 0.0138	4.26 0.0163	4.26 0.0183
4x7628/2116	39.0%	0.3100	7.874	4.28 0.0109	4.25 0.0122	4.24 0.0139	4.23 0.0144	4.20 0.0169	4.20 0.0192

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%	0.0025	0.064	3.59 0.0156	3.55 0.0177	3.53 0.0205	3.50 0.0215	3.48 0.0255	3.48 0.0302
1080	65.0%	0.0032	0.081	3.76 0.0144	3.72 0.0163	3.70 0.0187	3.67 0.0195	3.66 0.0231	3.66 0.0272
2113	57.0%	0.0044	0.112	3.91 0.0135	3.87 0.0152	3.86 0.0173	3.83 0.0180	3.82 0.0211	3.82 0.0247
2116	54.0%	0.0052	0.132	3.97 0.0132	3.93 0.0147	3.92 0.0167	3.89 0.0174	3.88 0.0203	3.88 0.0238
7628	42.0%	0.0074	0.188	4.22 0.0115	4.19 0.0128	4.18 0.0145	4.17 0.0150	4.14 0.0175	4.14 0.0201

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