

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

Core Data

Construction	Glass Type	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					2 Ghz	5 Ghz	10 GHz	15 Ghz	20 Ghz
1x1037	Spread	73.0%	0.002	0.051	3.10 0.0025	3.10 0.0026	3.10 0.0026	3.10 0.0026	3.10 0.0026
1x1067	Spread	70.0%	0.0025	0.064	3.25 0.0027	3.25 0.0028	3.25 0.0028	3.25 0.0028	3.24 0.0028
1x1078	Spread	63.0%	0.003	0.076	3.40 0.0031	3.40 0.0032	3.40 0.0032	3.40 0.0032	3.40 0.0032
1x1078	Spread	67.0%	0.0035	0.089	3.30 0.0029	3.30 0.003	3.30 0.003	3.30 0.003	3.30 0.003
1x3313		54.0%	0.004	0.102	3.60 0.0037	3.60 0.0037	3.60 0.0037	3.60 0.0037	3.60 0.0037
2x1037	Spread	73.0%	0.0043	0.109	3.10 0.0025	3.10 0.0026	3.10 0.0026	3.10 0.0026	3.10 0.0026
2x1067	Spread	67.0%	0.0045	0.114	3.31 0.0029	3.31 0.003	3.31 0.003	3.31 0.003	3.31 0.003
1x3313		58.0%	0.0045	0.114	3.50 0.0034	3.50 0.0035	3.50 0.0035	3.50 0.0035	3.50 0.0035
2x1067	Spread	70.0%	0.005	0.127	3.54 0.0027	3.54 0.0028	3.54 0.0028	3.54 0.0028	3.54 0.0028
1x3313		62.0%	0.005	0.127	3.42 0.0032	3.42 0.0033	3.42 0.0033	3.42 0.0033	3.42 0.0033
1x2116		54.0%	0.005	0.127	3.61 0.0037	3.61 0.0037	3.61 0.0037	3.61 0.0037	3.61 0.0037
2x1078	Spread	60.0%	0.0055	0.14	3.48 0.0035	3.48 0.0035	3.48 0.0035	3.48 0.0035	3.48 0.0035

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					2 Ghz	5 Ghz	10 GHz	15 Ghz	20 Ghz
1x2116		57.0%	0.0055	0.14	3.54 0.0033	3.54 0.0034	3.54 0.0034	3.54 0.0034	3.54 0.0034
1x2116		60.0%	0.006	0.152	3.47 0.0033	3.47 0.0034	3.47 0.0034	3.47 0.0034	3.47 0.0034
2x1078	Spread	63.0%	0.0062	0.157	3.40 0.0031	3.40 0.0032	3.40 0.0032	3.40 0.0032	3.40 0.0032
2x1078	Spread	67.0%	0.007	0.178	3.30 0.0029	3.30 0.003	3.30 0.003	3.30 0.003	3.30 0.003
2x1078	Spread	69.3%	0.0076	0.193	3.27 0.0027	3.27 0.0028	3.27 0.0028	3.27 0.0028	3.27 0.0028
2x3313		54.0%	0.008	0.203	3.60 0.0037	3.60 0.0037	3.60 0.0037	3.60 0.0037	3.60 0.0037
2x3313		58.0%	0.009	0.229	3.50 0.0034	3.50 0.0035	3.50 0.0035	3.50 0.0035	3.50 0.0035
2x3313		62.0%	0.01	0.254	3.42 0.0032	3.42 0.0033	3.42 0.0033	3.42 0.0033	3.42 0.0033
2x2116		54.0%	0.01	0.254	3.61 0.0037	3.61 0.0037	3.61 0.0037	3.61 0.0037	3.61 0.0037
3x3313		54.0%	0.012	0.305	3.60 0.0037	3.60 0.0037	3.60 0.0037	3.60 0.0037	3.60 0.0037
2x3313/1078	Spread	61.5%	0.013	0.33	3.42 0.0031	3.42 0.0032	3.42 0.0032	3.42 0.0032	3.42 0.0032
2x3313/1078	Spread	62.5%	0.0132	0.335	3.41 0.0031	3.41 0.0032	3.41 0.0032	3.41 0.0032	3.41 0.0032
2x3313/1078	Spread	64.5%	0.014	0.356	3.37 0.0031	3.37 0.0031	3.37 0.0031	3.36 0.0031	3.36 0.0031
3x3313		64.5%	0.015	0.381	3.42 0.0032	3.42 0.0033	3.42 0.0033	3.42 0.0033	3.42 0.0033
3x2116		54.0%	0.015	0.381	3.61 0.0037	3.61 0.0037	3.61 0.0037	3.61 0.0037	3.61 0.0037
2x1078/2x3313		62.4%	0.016	0.406	3.42 0.0031	3.42 0.0032	3.42 0.0032	3.42 0.0032	3.42 0.0032

Construction	Glass Type	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					2 Ghz	5 Ghz	10 GHz	15 Ghz	20 Ghz
2x1078/2x3313		63.6%	0.0168	0.427	3.39 0.0032	3.39 0.0032	3.39 0.0032	3.39 0.0032	3.39 0.0032
4x3313		58.0%	0.018	0.457	3.50 0.0034	3.50 0.0035	3.50 0.0035	3.50 0.0035	3.50 0.0035
4x3313		62.0%	0.02	0.508	3.42 0.0032	3.42 0.0033	3.42 0.0033	3.42 0.0033	3.42 0.0033
4x2116		54.0%	0.02	0.508	3.61 0.0037	3.61 0.0037	3.61 0.0037	3.61 0.0037	3.61 0.0037

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	Gloss Type	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					2 Ghz	5 Ghz	10 GHz	15 Ghz	20 Ghz
1037	Spread	73.00%	0.0022	0.056	3.18 0.0025	3.18 0.0026	3.18 0.0026	3.18 0.0026	3.18 0.0026
106		73.00%	0.0023	0.058	3.18 0.0025	3.18 0.0026	3.18 0.0026	3.18 0.0026	3.18 0.0026
1067	Spread	70.00%	0.0025	0.064	3.25 0.0027	3.25 0.0028	3.25 0.0028	3.25 0.0028	3.24 0.0028
1078	Spread	60.00%	0.0028	0.071	3.47 0.0033	3.47 0.0034	3.47 0.0034	3.47 0.0034	3.47 0.0034
1067	Spread	73.00%	0.0029	0.074	3.18 0.0025	3.18 0.0026	3.18 0.0026	3.18 0.0026	3.18 0.0026
1078	Spread	63.00%	0.0031	0.079	3.40 0.0031	3.40 0.0032	3.40 0.0032	3.40 0.0032	3.40 0.0032
1078	Spread	67.00%	0.0035	0.089	3.31 0.0029	3.31 0.003	3.31 0.003	3.31 0.003	3.31 0.003
1080		68.00%	0.0036	0.091	3.29 0.0028	3.29 0.0029	3.29 0.0029	3.29 0.0029	3.29 0.0029
1080		71.00%	0.004	0.102	3.22 0.0027	3.22 0.0027	3.22 0.0027	3.22 0.0027	3.22 0.0027
1078	Spread	71.00%	0.0041	0.104	3.22 0.0027	3.22 0.0027	3.22 0.0027	3.22 0.0027	3.22 0.0027
3313		58.00%	0.0045	0.114	3.50 0.0034	3.50 0.0035	3.50 0.0035	3.50 0.0035	3.50 0.0035
3313		62.00%	0.0051	0.13	3.42 0.0032	3.42 0.0033	3.42 0.0033	3.42 0.0033	3.42 0.0033

Glass Style	Glass Type	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					2 Ghz	5 Ghz	10 GHz	15 Ghz	20 Ghz
3313		65.00%	0.0056	0.142	3.35 0.003	3.35 0.0031	3.35 0.0031	3.35 0.0031	3.35 0.0031
2116		57.00%	0.0056	0.142	3.54 0.0035	3.54 0.0035	3.54 0.0035	3.54 0.0035	3.54 0.0035
2116		60.00%	0.0061	0.155	3.47 0.0033	3.47 0.0034	3.47 0.0034	3.47 0.0034	3.47 0.0034

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