

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

Core Data

Construction	Standard/ Alternate	Resin content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					1 GHz	2 GHz	5 GHz	7.5 GHz	10 GHz
1x106	Standard	71.0%	0.0020	0.051	3.46 0.012	3.46 0.012	3.43 0.013	3.42 0.013	3.41 0.013
1x1067	Standard	71.0%	0.0025	0.064	3.46 0.012	3.46 0.012	3.43 0.013	3.42 0.013	3.41 0.013
1x1080	Alternate	58.0%	0.0025	0.064	3.67 0.011	3.67 0.011	3.64 0.012	3.63 0.012	3.62 0.012
1x1080	Standard	63.0%	0.0030	0.076	3.57 0.011	3.57 0.011	3.54 0.012	3.53 0.012	3.52 0.012
1x1086	Standard	60.0%	0.0030	0.076	3.63 0.011	3.63 0.011	3.60 0.012	3.59 0.012	3.58 0.012
1x3313	Standard	50.0%	0.0035	0.089	3.81 0.01	3.81 0.01	3.78 0.011	3.77 0.011	3.76 0.011
1x1086	Alternate	65.0%	0.0035	0.089	3.55 0.012	3.55 0.012	3.52 0.012	3.51 0.013	3.50 0.013
1x3313	Standard	55.0%	0.0040	0.102	3.72 0.011	3.72 0.011	3.69 0.011	3.68 0.012	3.67 0.012
2x106	Standard	71.0%	0.0040	0.102	3.46 0.012	3.46 0.012	3.43 0.013	3.42 0.013	3.41 0.013
1x2116	Standard	51.0%	0.0045	0.114	3.79 0.01	3.79 0.01	3.76 0.011	3.75 0.011	3.74 0.011
2x1067	Alternate	68.0%	0.0045	0.114	3.50 0.012	3.50 0.012	3.47 0.012	3.46 0.013	3.45 0.013
1x2116	Standard	54.0%	0.0050	0.127	3.74 0.011	3.74 0.011	3.71 0.011	3.70 0.012	3.69 0.012

Construction	Standard/ Alternate	Resin content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					1 GHz	2 GHz	5 GHz	7.5 GHz	10 GHz
2x1080	Standard	58.0%	0.0050	0.127	3.67 0.011	3.67 0.011	3.64 0.012	3.63 0.012	3.62 0.012
2x1080	Standard	64.0%	0.0060	0.152	3.57 0.012	3.57 0.012	3.54 0.012	3.53 0.013	3.52 0.013
1x1652	Standard	51.0%	0.0060	0.152	3.79 0.01	3.79 0.01	3.76 0.011	3.75 0.011	3.74 0.011
2x3313	Standard	50.0%	0.0070	0.178	3.81 0.01	3.81 0.01	3.78 0.011	3.77 0.011	3.76 0.011
2x3313	Standard	55.0%	0.0080	0.203	3.72 0.011	3.72 0.011	3.69 0.011	3.68 0.012	3.67 0.012
2x2116	Standard	54.0%	0.0100	0.254	3.74 0.011	3.74 0.011	3.71 0.011	3.70 0.012	3.69 0.012
3x3313	Alternate	55.0%	0.0120	0.305	3.72 0.011	3.72 0.011	3.69 0.011	3.68 0.012	3.67 0.012
2x1652	Standard	51.0%	0.0120	0.152	3.79 0.01	3.79 0.01	3.76 0.011	3.75 0.011	3.74 0.011
2x2116/1x3313	Standard	55.0%	0.0140	0.356	3.72 0.011	3.72 0.011	3.69 0.011	3.68 0.012	3.67 0.012

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

Prepreg Data

Glass Style	Standard/ Alternate	Resin content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					1 GHz	2 GHz	5 GHz	7.5 GHz	10 GHz
106	Standard	71.0%	0.0020	0.051	3.46 0.012	3.46 0.012	3.43 0.013	3.42 0.013	3.41 0.013
106	Standard	75.0%	0.0024	0.061	3.40 0.012	3.40 0.012	3.37 0.013	3.36 0.013	3.35 0.013
1067	Alt/Spread	71.0%	0.0025	0.064	3.46 0.012	3.46 0.012	3.43 0.013	3.42 0.013	3.41 0.013
1080	Standard	64.0%	0.0030	0.076	3.57 0.012	3.57 0.012	3.54 0.012	3.53 0.013	3.52 0.013
1086	Alt/Spread	60.0%	0.0030	0.076	3.63 0.011	3.63 0.011	3.60 0.012	3.59 0.012	3.58 0.012
1080	Standard	68.0%	0.0034	0.086	3.50 0.012	3.50 0.012	3.47 0.012	3.46 0.013	3.45 0.013
1086	Alt/Spread	65.0%	0.0035	0.089	3.55 0.012	3.55 0.012	3.52 0.012	3.51 0.013	3.50 0.013
1080	Standard	71.0%	0.0039	0.099	3.46 0.012	3.46 0.012	3.43 0.013	3.42 0.013	3.41 0.013
2113	Standard	57.0%	0.0040	0.102	3.69 0.011	3.69 0.011	3.66 0.011	3.65 0.012	3.64 0.012
3313	Alternate	55.0%	0.0040	0.102	3.72 0.011	3.72 0.011	3.69 0.011	3.68 0.012	3.67 0.012
2113	Standard	59.0%	0.0043	0.109	3.65 0.011	3.65 0.011	3.62 0.012	3.61 0.012	3.60 0.012
3313	Alternate	59.0%	0.0045	0.114	3.65 0.011	3.65 0.011	3.62 0.012	3.61 0.012	3.60 0.012

Glass Style	Standard/ Alternate	Resin content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					1 GHz	2 GHz	5 GHz	7.5 GHz	10 GHz
3313	Alternate	61.0%	0.0047	0.119	3.62 0.011	3.62 0.011	3.59 0.012	3.58 0.012	3.57 0.012
2116	Standard	54.0%	0.0050	0.127	3.74 0.011	3.74 0.011	3.71 0.011	3.70 0.012	3.69 0.012
2116	Standard	56.0%	0.0052	0.132	3.70 0.011	3.70 0.011	3.67 0.011	3.66 0.012	3.65 0.012
2116	Standard	58.0%	0.0055	0.140	3.67 0.011	3.67 0.011	3.64 0.012	3.63 0.012	3.62 0.012
1652	Standard	51.0%	0.0060	0.152	3.79 0.01	3.79 0.01	3.76 0.011	3.75 0.011	3.74 0.011

NOTE

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