



N8000 – Dielectric Properties Table

LAMINATE

Thickness	&	Tol.						RC%	1 MHz DK	1 GHz DK	2.5 GHz Dk	10 GHz Dk
0.0030	±	0.0005	1	2113				42.2%	4.04	3.93	3.76	3.75
0.0030	±	0.0005	1	1080				60.7%	3.65	3.35	3.30	3.29
0.0040	±	0.0005	1	2113				53.2%	3.79	3.56	3.47	3.45
0.0040	±	0.0005	1	0106	+	1	1080	56.4%	3.73	3.46	3.39	3.38
0.0040	±	0.0005	1	2116				41.7%	4.05	3.95	3.78	3.76
0.0050	±	0.0007	1	0106	+	1	2113	51.4%	3.83	3.61	3.51	3.50
0.0050	±	0.0007	1	2116				50.4%	3.85	3.64	3.53	3.52
0.0060	±	0.0007	1	1080	+	1	2113	50.8%	3.84	3.63	3.52	3.51
0.0060	±	0.0007	1	0106	+	1	2116	49.4%	3.87	3.67	3.56	3.54
0.0060	±	0.0007	2	2113				42.2%	4.04	3.93	3.76	3.75
0.0070	±	0.0010	2	2113				48.2%	3.89	3.71	3.59	3.58
0.0080	±	0.0010	1	7628				43.1%	4.01	3.90	3.74	3.72
0.0080	±	0.0010	2	2116				41.7%	4.05	3.95	3.78	3.76
0.0080	±	0.0010	1	2116	+	1	2113	47.2%	3.92	3.75	3.62	3.60
0.0090	±	0.0010	2	2116				46.4%	3.93	3.78	3.64	3.62
0.0100	±	0.0010	2	2116				50.4%	3.85	3.64	3.53	3.52
0.0100	±	0.0010	1	7628	+	1	2113	38.9%	4.12	4.06	3.87	3.85
0.0120	±	0.0010	2	1080	+	1	7628	44.1%	3.99	3.86	3.70	3.69
0.0140	±	0.0015	2	7628				37.5%	4.16	4.12	3.91	3.90



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PREPREG

Glass	RC%	1 MHz DK	1 GHz DK	2.5 GHz Dk	10 GHz Dk
0106	75%	3.42	3.00	3.03	3.02
1080	65%	3.58	3.23	3.21	3.20
2113	56%	3.73	3.47	3.40	3.39
2116	52%	3.81	3.59	3.50	3.48
7628	46%	4.01	3.90	3.74	3.72

The following laminate and prepreg items are a representative of available materials. These items and their associated values may not be regularly available and additional lead times or minimum order quantities could apply. Please contact our office or your local technical representative for assistance with choosing the best material for your design and application.

For More Information:

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