



Mercurywave 9350 / 9350B – Dielectric Properties Table

LAMINATE

Thickness	&	Tol.	Construction			RC%	2GHz Dk		2 GHz Df	10 GHz Dk		10 GHz Df
0.0033	±	0.0006	1	1080		66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0050	±	0.0008	1	1080	1 106 66	66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0066	±	0.0011	2	1080		66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0083	±	0.0011	2	1080	1 106 66	66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0100	±	0.0011	3	1080		66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0116	±	0.0011	3	1080	1 106 66	66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0130	±	0.0016	4	1080		66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0200	±	0.0021	3	3313	1 1080 66	66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0300	±	0.0021	5	3313	1 106 66	66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0340	±	0.0031	6	3313		66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0400	±	0.0031	7	3313		66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0600	±	0.0031	10	3313	1 1080 66	66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.0690	±	0.0031	12	3313		66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.1000	±	0.0031	17	3313	1 1080 66	66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038
0.1250	±	0.0031	22	3313		66%	3.48	± 0.05	0.0036	3.50	± 0.05	0.0038

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PREPREG

Glass	RC%	2 GHz Dk	2GHz Df	10GHz Dk	10GHz Df	Thickness (inches)	Thickness (µm)
106	66	3.48	0.0036	3.50	0.0038	0.0017	43.5
1080	66	3.48	0.0036	3.50	0.0038	0.0033	83.3
3313	66	3.48	0.0037	3.50	0.0039	0.0058	147.9

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.

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