

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

Core Data

Standard/ Alternate	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
			2 GHz	5 GHz	10 GHz	15 GHz	20 GHz
Standard	0.0025	0.0635	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0050	0.1270	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0075	0.1905	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0100	0.2540	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0125	0.3175	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0150	0.3810	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0200	0.5080	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0300	0.7620	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0600	1.5240	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017

NOTE

Revisions:

A-Original-4/17

B-Added Standard & Alternate construction-8/18

Standard-Commonly available with the best availability.

Alternate-Available, but not stocked with longer lead time

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

Prepreg Data

Standard/ Alternate	Glass Style	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK) / Dissipation Factor (DF)				
					2 GHz	5 GHz	10 GHz	15 GHz	20 GHz
Alternate	1035	73.0%	0.0025	0.064	2.97 0.0019	2.97 0.0019	2.97 0.0019	2.97 0.0019	2.97 0.0019
Standard	1067	72.0%	0.0025	0.064	2.98 0.0019	2.98 0.0019	2.98 0.0019	2.98 0.0019	2.98 0.0019
Standard	1067	77.0%	0.0032	0.081	2.91 0.0018	2.91 0.0018	2.91 0.0018	2.91 0.0018	2.91 0.0018
Standard	1078	70.0%	0.0036	0.091	3.01 0.0019	3.01 0.0019	3.01 0.0019	3.01 0.0019	3.01 0.0019
Standard	1078	74.0%	0.0042	0.107	2.95 0.0019	2.95 0.0019	2.95 0.0019	2.95 0.0019	2.95 0.0019

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