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	0.064	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0050	0.127	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0075	0.191	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0100	0.254	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0125	0.318	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0150	0.381	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0200	0.508	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0300	0.762	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017
Standard	0.0600	1.524	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017	3.00 0.0017

Prepreg Dielectric Constant(Dk) / Dissipation factor (Df) Table

Prepreg Data

Glass Style	Resin Content %	Thickness (inch)	Thickness (mm)	Dielectric Constant (DK)/ Dissipation Factor (DF)				
				2 GHz	5 Ghz	10 Ghz	15 Ghz	20 Ghz
1035	73.00%	0.0025	0.064	2.97 0.0019	2.97 0.0019	2.97 0.0019	2.97 0.0019	2.97 0.0019
1067	72.00%	0.0025	0.064	2.98 0.0019	2.98 0.0019	2.98 0.0019	2.98 0.0019	2.98 0.0019
1067	77.00%	0.0032	0.081	2.91 0.0018	2.91 0.0018	2.91 0.0018	2.91 0.0018	2.91 0.0018
1078	70.00%	0.0036	0.091	3.01 0.0019	3.01 0.0019	3.01 0.0019	3.01 0.0019	3.01 0.0019
1078	74.00%	0.0042	0.107	2.95 0.0019	2.95 0.0019	2.95 0.0019	2.95 0.0019	2.95 0.0019

Astra® MT77

Ultra Low Loss, RF/MW Laminate and Prepreg

Revision No: D | May 21, 2024

NOTE

Revisions:
A-Original-4/17
B-Added Standard & Alternate construction-8/18
C-Corrected 12.5 mil conversion to mm - 5/24
Standard-Commonly available with the best availability.
Alternate-Available, but not stocked with longer lead time

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