

Based Material Line Up



Autolad2G Core/Prepreg Line up

1. Core (C-Stage)

A1. Core Specifications

Thickness		ply-up	RC (%)	Dk			Df		
mm	mil			1 GHz	3 GHz	5 GHz	1 GHz	3 GHz	5 GHz
0.100	4.0	1X3313	58	4.13	4.11	4.10	0.017	0.016	0.015
0.130	5.0	1X2116	57	4.15	4.13	4.13	0.016	0.015	0.014
0.150	6.0	1X1506	46	4.45	4.43	4.43	0.013	0.012	0.012
0.180	7.0	1X7628	43	4.55	4.53	4.48	0.013	0.012	0.011
0.200	8.0	1X7628	48	4.35	4.33	4.33	0.013	0.012	0.012
0.250	10.0	2X2116	57	4.15	4.13	4.13	0.016	0.015	0.014
0.254	10.0	3X1080	69	4.07	4.05	4.05	0.018	0.017	0.017
0.300	12.0	2X1506	46	4.45	4.43	4.43	0.013	0.012	0.012
0.300	12.0	2X2116+1X1080	56	4.17	4.15	4.15	0.016	0.015	0.014
0.360	14.0	2X7628	43	4.55	4.53	4.48	0.013	0.012	0.011
0.380	15.0	2X7628	45	4.50	4.48	4.43	0.013	0.012	0.012
0.380	15.0	3X2116	57	4.15	4.13	4.13	0.016	0.015	0.014
0.400	15.7	2X7628	48	4.35	4.33	4.33	0.013	0.012	0.012
0.530	21.0	3X7628	43	4.55	4.53	4.48	0.013	0.012	0.011
0.710	28.0	4X7628	43	4.55	4.53	4.48	0.013	0.012	0.011
0.800	31.0	4X7628	48	4.35	4.33	4.33	0.013	0.012	0.012
1.000	40.0	5X7628	48	4.35	4.33	4.33	0.013	0.012	0.012
1.200	48.0	6X7628	48	4.35	4.33	4.33	0.013	0.012	0.012

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1.400	55.0	7X7628	48	4.35	4.33	4.33	0.013	0.012	0.012
1.500	59.0	8X7628	45	4.50	4.48	4.43	0.013	0.012	0.012
1.600	63.0	8X7628	48	4.35	4.33	4.33	0.013	0.012	0.012
1.900	74.0	10X7628	45	4.50	4.48	4.43	0.013	0.012	0.012

2. Prepreg (B-Stage)

B1. Prepreg Specifications

Glasstyle	RC (%) Nominal	Thickness		DK			Df		
		mm	mil	1 GHz	3 GHz	5 GHz	1 GHz	3 GHz	5 GHz
1080	71	0.092	3.6	3.80	3.78	3.79	0.018	0.017	0.017
	74	0.104	4.1	3.71	3.69	3.70	0.018	0.017	0.018
2116	57	0.127	5.0	4.15	4.13	4.13	0.016	0.015	0.014
	60	0.134	5.3	4.11	4.09	4.09	0.017	0.016	0.015
	63	0.150	6.0	4.01	3.99	3.99	0.017	0.016	0.015
7628	43	0.180	7.1	4.55	4.53	4.48	0.013	0.012	0.011
	45	0.190	7.5	4.50	4.48	4.43	0.013	0.012	0.012
	48	0.200	8.0	4.35	4.33	4.33	0.013	0.012	0.012
	50	0.210	8.3	4.32	4.31	4.30	0.014	0.013	0.013

3. Remark

- 1) Dk/Df measuring method: IPC TM-650 2.5.5.5;
- 2) In order to satisfy CTI \geq 600V, 2116(RC \geq 54%), 7628(RC \geq 45%) or above thickness prepreg is suggested to be used for outer prepreg layer. If you have any queries, please turn to Shengyi Technology Co., Ltd for detailed information.
- 3) All the values listed above are for your reference only. Please contact Shengyi Technology Co., Ltd. for detailed information. All rights from this line up are reserved by Shengyi Technology Co., Ltd.

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4) Last update: July, 2021