

Base Material Line Up



Autolad3/ Autolad3B

1. CORE (C-STAGE)

Thickness		ply-up	RC (%)	Dk				Df			
mm	mil			1 GHz	3 GHz	5 GHz	10 GHz	1 GHz	3 GHz	5 GHz	10 GHz
0.050	2.00	1x106	73	3.58	3.5	3.47	3.45	0.016	0.017	0.017	0.018
0.050	2.00	1x1067	65	3.81	3.75	3.72	3.69	0.015	0.015	0.016	0.016
0.063	2.52	1x1067	71	3.64	3.56	3.54	3.51	0.016	0.017	0.017	0.017
0.076	3.04	1x1080	65	3.81	3.75	3.72	3.69	0.015	0.015	0.016	0.016
0.090	3.60	1X3313	51	4.21	4.18	4.16	4.13	0.012	0.013	0.013	0.014
0.100	4.00	1x2116	48	4.29	4.27	4.25	4.22	0.012	0.012	0.013	0.013
0.100	4.00	1X3313	55	4.1	4.06	4.03	4	0.013	0.014	0.014	0.014
0.100	4.00	2x106	73	3.58	3.5	3.47	3.45	0.016	0.017	0.017	0.018
0.110	4.30	1x2116	50	4.24	4.21	4.19	4.16	0.012	0.013	0.013	0.013
0.114	4.50	1x2116	52	4.18	4.15	4.13	4.09	0.012	0.013	0.013	0.014
0.125	5.00	1x2116	57	4.04	3.99	3.97	3.94	0.013	0.014	0.014	0.015
0.150	6.00	1x1506	45	4.38	4.37	4.35	4.31	0.011	0.012	0.012	0.013
0.200	8.00	1x7628	46	4.35	4.33	4.32	4.28	0.011	0.012	0.012	0.013
0.240	9.60	2x2116	55	4.1	4.06	4.03	4	0.013	0.014	0.014	0.014
0.300	12.00	2x1506	45	4.38	4.37	4.35	4.31	0.011	0.012	0.012	0.013
0.350	14.00	2x7628	42	4.47	4.46	4.44	4.4	0.01	0.011	0.012	0.012
0.400	16.00	2x7628	46	4.35	4.33	4.32	4.28	0.011	0.012	0.012	0.013
0.450	18.00	2X7628+1080	47	4.32	4.3	4.28	4.25	0.011	0.012	0.013	0.013
0.500	20.00	2X7628+2116	47	4.32	4.3	4.28	4.25	0.011	0.012	0.013	0.013
0.600	24.00	3X7628	46	4.35	4.33	4.32	4.28	0.011	0.012	0.012	0.013
0.800	32.00	4X7628	46	4.35	4.33	4.32	4.28	0.011	0.012	0.012	0.013
1.000	40.00	5X7628	46	4.35	4.33	4.32	4.28	0.011	0.012	0.012	0.013

Base Material Line Up



1.200	47.00	6X7628	46	4.35	4.33	4.32	4.28	0.011	0.012	0.012	0.013
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2. PREPREG (B-STAGE)

Glass style	RC (%) Nominal	Thickness		Dk				Df			
		mm	mil	1GHz	3 GHz	5 GHz	10 GHz	1 GHz	3 GHz	5 GHz	10 GHz
106/1037	72	0.050	2.00	3.61	3.53	3.5	3.48	0.016	0.017	0.017	0.017
106/1037	77	0.060	2.36	3.47	3.37	3.35	3.32	0.017	0.018	0.018	0.018
1080/1078	64	0.072	2.83	3.84	3.78	3.75	3.73	0.015	0.015	0.016	0.016
1080/1078	69	0.086	3.40	3.7	3.62	3.6	3.57	0.016	0.016	0.016	0.017
2313/3313	56	0.096	3.78	4.07	4.02	4	3.97	0.013	0.014	0.014	0.015
2313/3313	58	0.102	4.02	4.01	3.96	3.94	3.91	0.013	0.014	0.015	0.015
2116	54	0.117	4.61	4.12	4.09	4.07	4.03	0.013	0.013	0.014	0.014
2116	57	0.127	5.00	4.04	3.99	3.97	3.94	0.013	0.014	0.014	0.015
1506	45	0.15	5.91	4.38	4.37	4.35	4.31	0.011	0.012	0.012	0.013
1506	48	0.16	6.30	4.29	4.27	4.25	4.22	0.012	0.012	0.013	0.013
7628	46	0.196	7.72	4.35	4.33	4.32	4.28	0.011	0.012	0.012	0.013
7628	50	0.216	8.50	4.24	4.21	4.19	4.16	0.012	0.013	0.013	0.013

3. Remark

- 1) Test Method: 10GHz@ IPC TM650-2.5.5.5C, 1/3/5GHz@ Modified IPC TM650-2.5.5.5C
- 2) 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.;
- 3) Last Updated date: Feb, 2019