

Based Material Line Up



S1151G/S1151GB

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
0.200	8.00	1x7628	48	4.88	4.87	4.87	4.83	0.014	0.014	0.014	0.013
0.230	9.00	2X2116	54	4.75	4.75	4.74	4.70	0.015	0.015	0.015	0.014
0.254	10.00	2X2116	57	4.69	4.69	4.67	4.64	0.015	0.015	0.015	0.014
0.360	14.00	2X7628	43	4.98	4.98	4.97	4.94	0.013	0.013	0.013	0.013
0.380	15.00	2X7628	46	4.92	4.92	4.91	4.88	0.013	0.014	0.014	0.013
0.600	23.60	3X7628	48	4.88	4.87	4.87	4.83	0.014	0.014	0.014	0.013
0.800	31.50	4X7628	48	4.88	4.87	4.87	4.83	0.014	0.014	0.014	0.013
1.000	39.40	5X7628	48	4.88	4.87	4.87	4.83	0.014	0.014	0.014	0.013
1.200	47.00	6X7628	48	4.88	4.87	4.87	4.83	0.014	0.014	0.014	0.013
1.600	63.00	8X7628	48	4.88	4.87	4.87	4.83	0.014	0.014	0.014	0.013

2. PREPREG (B-STAGE)

Glass style	RC (%) Nominal	Thickness		Dk				Df			
		mm	mil	1GHz	3GHz	5GHz	10GHz	1 GHz	3 GHz	5 GHz	10 GHz
7628	46	0.190	7.50	4.92	4.92	4.91	4.88	0.013	0.014	0.014	0.013
7628	48	0.200	8.00	4.88	4.87	4.87	4.83	0.014	0.014	0.014	0.013
7628	50	0.210	8.30	4.84	4.83	4.82	4.79	0.014	0.014	0.014	0.014

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7628	52	0.220	8.70	4.80	4.79	4.78	4.75	0.014	0.015	0.014	0.014
2116	54	0.114	4.50	4.75	4.75	4.74	4.70	0.015	0.015	0.015	0.014
2116	57	0.127	5.00	4.71	4.70	4.66	4.71	0.015	0.015	0.015	0.014
2116	60	0.134	5.30	4.62	4.61	4.57	4.63	0.015	0.016	0.016	0.015

3. REMARK

- 1) Test by SPDR method
- 2) The data above show actual values and are not guaranteed.
- 3) Last update: Oct, 2019