NOUYA 上海南亞覆銅箔板有限公司 SHANGHAI NANYA COPPER CLAD LAMINATE CO.,LTD.

NY2150 CCL Typical Dk/Df Value

Thickness		Copper	Construction	RC(%)	Dk(Typical)					Df((Typical))				
mm	mils				1MHz	1GHz	2GHz	5GHz	10GHz	1MHz	1GHz	2GHz	5GHz	10GHz
0.05	2	*	106*1	73.0	4.44	4.11	4.03	3.98	3.94	0.0161	0.0173	0.0174	0.0183	0.0189
0.075	3	*	1080*1	65.0	4.53	4.20	4.12	4.07	4.03	0.0154	0.0166	0.0169	0.0175	0.0183
0.09	3.5	*	1080*1	70.0	4.47	4.14	4.06	4.01	3.97	0.0158	0.0170	0.0172	0.0179	0.0187
0.09	3.5	*	2313*1	53.0	4.68	4.36	4.28	4.22	4.19	0.0145	0.0157	0.0160	0.0166	0.0174
0.10	4	*	2313*1	57.0	4.64	4.31	4.22	4.18	4.13	0.0148	0.0160	0.0163	0.0169	0.0177
0.10	4	*	2116*1	48.0	4.75	4.42	4.34	4.29	4.25	0.0142	0.0154	0.0157	0.0163	0.0171
0.13	5	*	2116*1	57.0	4.64	4.31	4.22	4.18	4.13	0.0148	0.0160	0.0163	0.0169	0.0177
0.15	6	*	1506*1	45.0	4.78	4.45	4.38	4.33	4.29	0.0139	0.0151	0.0154	0.0160	0.0168
0.18	7	*	2313*2	53.0	4.68	4.36	4.28	4.22	4.19	0.0145	0.0157	0.0160	0.0166	0.0174
0.18	7	*	7628*1	44.0	4.80	4.47	4.39	4.34	4.30	0.0139	0.0151	0.0154	0.0160	0.0168
0.20	8	*	2313*2	57.0	4.64	4.31	4.22	4.18	4.13	0.0148	0.0160	0.0163	0.0169	0.0177
0.20	8	*	7628*1	47.0	4.76	4.43	4.35	4.30	4.26	0.0141	0.0153	0.0156	0.0162	0.0170
0.25	10	*	2116*2	57.0	4.64	4.31	4.22	4.18	4.13	0.0148	0.0160	0.0163	0.0169	0.0177
0.30	12	*	1506*2	45.0	4.78	4.45	4.38	4.33	4.29	0.0139	0.0151	0.0154	0.0160	0.0168
0.36	14	*	7628*2	44.0	4.80	4.47	4.39	4.34	4.30	0.0139	0.0151	0.0154	0.0160	0.0168
0.38	15	*	7628*2	45.0	4.78	4.45	4.38	4.33	4.29	0.0139	0.0151	0.0154	0.0160	0.0168
0.40	16	*	7628*2	47.0	4.76	4.43	4.35	4.30	4.26	0.0141	0.0153	0.0156	0.0162	0.0170
0.46	18	*	7628*2+1080*1	48.0	4.75	4.42	4.34	4.29	4.25	0.0142	0.0154	0.0157	0.0163	0.0171
0.51	20	*	7628*2+2116*1	47.0	4.76	4.43	4.35	4.30	4.26	0.0141	0.0153	0.0156	0.0162	0.0170
0.53	21	*	7628*3	44.0	4.80	4.47	4.39	4.34	4.30	0.0139	0.0151	0.0154	0.0160	0.0168
0.61	24	*	7628*3	47.0	4.76	4.43	4.35	4.30	4.26	0.0141	0.0153	0.0156	0.0162	0.0170
0.66	26	*	7628*2+2116*2	50.5	4.71	4.38	4.30	4.25	4.21	0.0144	0.0156	0.0159	0.0165	0.0173
0.71	28	*	7628*4	43.5	4.80	4.47	4.39	4.34	4.30	0.0139	0.0151	0.0154	0.0160	0.0168
0.80	31	1/1	7628*4	44.0	4.80	4.47	4.39	4.34	4.30	0.0139	0.0151	0.0154	0.0160	0.0168
0.85	33	1/1	7628*4	46.0	4.77	4.44	4.36	4.31	4.27	0.0140	0.0152	0.0155	0.0160	0.0169
0.90	36	1/1	7628*4+2116*1	45.5	4.77	4.44	4.36	4.31	4.27	0.0140	0.0152	0.0155	0.0160	0.0169
1.0	39	1/1	7628*5	44.0	4.80	4.47	4.39	4.34	4.30	0.0139	0.0151	0.0154	0.0160	0.0168
1.1	43	1/1	7628*6	42.5	4.81	4.48	4.40	4.35	4.31	0.0138	0.0150	0.0153	0.0159	0.0166
1.2	47	1/1	7628*6	44.0	4.80	4.47	4.39	4.34	4.30	0.0139	0.0151	0.0154	0.0160	0.0168
1.5	59	1/1	7628*8	42.5	4.81	4.48	4.40	4.35	4.31	0.0138	0.0150	0.0153	0.0159	0.0166
1.6	63	1/1	7628*8	45.0	4.78	4.45	4.38	4.33	4.29	0.0139	0.0151	0.0154	0.0160	0.0168

Remark：Test data based on LCR Meter(for 1MHz) and SPDR Method(for GHz)

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