

# H150(LF)Z 规格书(Line-up)

基板 CCL: H150(LF)Z

半固化片 PP: H150P(LF)Z

1、Only E-Glass Type CCL: H150(LF)Z

Core Thickness		Standard Construction	RC (%)	Dk				Df			
mil	mm			1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
2.0	0.050	106X1	71	3.83	3.63	3.56	3.49	0.0173	0.0190	0.0201	0.0210
2.5	0.064	1080X1	56	4.23	4.05	3.98	3.93	0.0158	0.0175	0.0186	0.0195
3.0	0.076	1080X1	64	4.02	3.83	3.75	3.69	0.0166	0.0183	0.0194	0.0203
3.5	0.089	2113X1	53	4.31	4.13	4.07	4.01	0.0155	0.0172	0.0183	0.0192
4.0	0.10	2113X1	57	4.21	4.02	3.95	3.90	0.0159	0.0176	0.0187	0.0196
		3313X1	56	4.23	4.05	3.98	3.93	0.0158	0.0175	0.0186	0.0195
		106X2	69	3.89	3.69	3.61	3.54	0.0171	0.0188	0.0199	0.0208
4.3	0.11	2116X1	49	4.42	4.25	4.18	4.13	0.0151	0.0168	0.0179	0.0188
4.5	0.114	2116X1	51	4.37	4.19	4.12	4.07	0.0153	0.0170	0.0181	0.0190
		1067X2	65	3.99	3.80	3.73	3.66	0.0167	0.0184	0.0195	0.0204
5.1	0.13	2116X1	55	4.26	4.08	4.01	3.96	0.0157	0.0174	0.0185	0.0194
6.1	0.16	1506X1	46	4.50	4.33	4.27	4.22	0.0148	0.0165	0.0176	0.0185
7.2	0.18	7628X1	41	4.63	4.47	4.41	4.37	0.0143	0.0160	0.0171	0.0180
8.0	0.20	7628X1	47	4.47	4.30	4.24	4.19	0.0149	0.0166	0.0177	0.0186
9.0	0.23	2116X2	52	4.34	4.16	4.09	4.04	0.0154	0.0171	0.0182	0.0191
10.0	0.25	2116X2	56	4.23	4.05	3.98	3.93	0.0158	0.0175	0.0186	0.0195
12.0	0.31	1506X2	45	4.53	4.36	4.29	4.25	0.0147	0.0164	0.0175	0.0184
14.0	0.36	7628X2	41	4.63	4.47	4.41	4.37	0.0143	0.0160	0.0171	0.0180
15.0	0.38	7628X2	44	4.55	4.39	4.32	4.28	0.0146	0.0163	0.0174	0.0183
16.0	0.40	7628X2	47	4.47	4.30	4.24	4.19	0.0149	0.0166	0.0177	0.0186
18.0	0.46	7628X2+2116X1	43	4.58	4.42	4.35	4.31	0.0145	0.0162	0.0173	0.0182
20.0	0.51	7628X2+2116X1	45.6	4.51	4.34	4.28	4.23	0.0148	0.0165	0.0176	0.0185
21.0	0.53	7628X3	41	4.63	4.47	4.41	4.37	0.0143	0.0160	0.0171	0.0180
24.0	0.61	7628X3	45	4.53	4.36	4.29	4.25	0.0147	0.0164	0.0175	0.0184
		7628X2+2116X2	46	4.50	4.33	4.27	4.22	0.0148	0.0165	0.0176	0.0185
26.0	0.66	7628X2+1506X2	43	4.58	4.42	4.35	4.31	0.0145	0.0162	0.0173	0.0182
28.0	0.71	7628X4	41	4.63	4.47	4.41	4.37	0.0143	0.0160	0.0171	0.0180
32.0	0.81	7628X4+2116X1	42.3	4.60	4.44	4.37	4.33	0.0144	0.0161	0.0172	0.0181
34.3	0.87	7628X5	41.5	4.62	4.46	4.39	4.35	0.0144	0.0161	0.0172	0.0181
40.0	1.02	7628X6	41	4.63	4.47	4.41	4.37	0.0143	0.0160	0.0171	0.0180
43.0	1.10	7628X6	43	4.58	4.42	4.35	4.31	0.0145	0.0162	0.0173	0.0182
47.0	1.20	7628X7	41	4.63	4.47	4.41	4.37	0.0143	0.0160	0.0171	0.0180
49.0	1.25	7628X7	41.5	4.62	4.46	4.39	4.35	0.0144	0.0161	0.0172	0.0181
51.0	1.30	7628X7	44	4.55	4.39	4.32	4.28	0.0146	0.0163	0.0174	0.0183
53.0	1.35	7628X7	46	4.50	4.33	4.27	4.22	0.0148	0.0165	0.0176	0.0185
55.0	1.40	7628X8	41	4.63	4.47	4.41	4.37	0.0143	0.0160	0.0171	0.0180
57.0	1.45	7628X8	43	4.58	4.42	4.35	4.31	0.0145	0.0162	0.0173	0.0182

1、 Only E-Glass Type CCL: H150(LF)Z

Core Thickness		Standard Construction	RC (%)	Dk				Df			
mil	mm			1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
59.1	1.50	7628X8	44	4.55	4.39	4.32	4.28	0.0146	0.0163	0.0174	0.0183
61.0	1.55	7628X8	45	4.53	4.36	4.29	4.25	0.0147	0.0164	0.0175	0.0184
63.0	1.60	7628X9	42	4.61	4.44	4.38	4.34	0.0144	0.0161	0.0172	0.0181
65.0	1.65	7628X9	43	4.58	4.42	4.35	4.31	0.0145	0.0162	0.0173	0.0182



## 2、Only E-Glass Type PP: H150P(LF)Z

GLASS Type	RC (%)	Pressed Thickness		Dk				Df			
		mm	mil	1GHz	5GHz	10GHz	15GHz	1GHz	5GHz	10GHz	15GHz
106	73	2.05	0.052	3.78	3.57	3.50	3.43	0.0175	0.0192	0.0203	0.0212
	75	2.20	0.056	3.73	3.52	3.44	3.37	0.0177	0.0194	0.0205	0.0214
1067	72	2.40	0.061	3.81	3.60	3.53	3.46	0.0174	0.0191	0.0202	0.0211
	76	2.90	0.074	3.70	3.49	3.41	3.34	0.0178	0.0196	0.0206	0.0215
1080	70	3.62	0.092	3.86	3.66	3.58	3.52	0.0172	0.0189	0.0200	0.0209
	68	3.39	0.086	3.91	3.71	3.64	3.57	0.0170	0.0187	0.0198	0.0207
	66	3.11	0.079	3.97	3.77	3.70	3.63	0.0168	0.0185	0.0196	0.0205
	65	3.03	0.077	3.99	3.80	3.73	3.66	0.0167	0.0184	0.0195	0.0204
	63	2.87	0.073	4.05	3.85	3.78	3.72	0.0165	0.0182	0.0193	0.0202
2113	60	4.21	0.107	4.13	3.94	3.87	3.81	0.0162	0.0179	0.0190	0.0199
	58	3.98	0.101	4.18	3.99	3.92	3.87	0.0160	0.0177	0.0188	0.0197
	56	3.74	0.095	4.23	4.05	3.98	3.93	0.0158	0.0175	0.0186	0.0195
2116	60	5.70	0.145	4.13	3.94	3.87	3.81	0.0162	0.0179	0.0190	0.0199
	58	5.35	0.136	4.18	3.99	3.92	3.87	0.0160	0.0177	0.0188	0.0197
	55	4.92	0.125	4.26	4.08	4.01	3.96	0.0157	0.0174	0.0185	0.0194
	53	4.69	0.119	4.31	4.13	4.07	4.01	0.0155	0.0172	0.0183	0.0192
1506	50	6.80	0.173	4.39	4.22	4.15	4.10	0.0152	0.0169	0.0180	0.0189
	48	6.46	0.164	4.45	4.28	4.21	4.16	0.0150	0.0167	0.0178	0.0187
7628	52	9.09	0.231	4.34	4.16	4.09	4.04	0.0154	0.0171	0.0182	0.0191
	50	8.66	0.220	4.39	4.22	4.15	4.10	0.0152	0.0169	0.0180	0.0189
	48	8.27	0.210	4.45	4.28	4.21	4.16	0.0150	0.0167	0.0178	0.0187
	45	7.68	0.195	4.53	4.36	4.29	4.25	0.0147	0.0164	0.0175	0.0184
	43	7.32	0.186	4.58	4.42	4.35	4.31	0.0145	0.0162	0.0173	0.0182

Remark: 1. The above data is for your reference only.

2. Please contact WAZAM sale and TS team if need more Laminates type.