



# KB-6160C/KB-6060C Line up Electrical Properties

## 1) CORE (KB-6160C)

Thickness (mil) $\pm 10\%$	Thickness (mm) $\pm 10\%$	Layup	Dk $\pm 0.2$				Df $\pm 10\%$			
			1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
3.0	0.076	1080*1	4.3	4.3	4.2	4.1	0.017	0.017	0.018	0.019
3.5	0.089	3313*1	4.3	4.3	4.2	4.2	0.016	0.016	0.017	0.018
4.0	0.102	3313*1	4.4	4.3	4.3	4.2	0.016	0.016	0.017	0.018
4.5	0.114	2116*1	4.4	4.4	4.3	4.3	0.016	0.016	0.017	0.018
5.0	0.127	2116*1	4.4	4.3	4.3	4.2	0.016	0.016	0.017	0.018
5.5	0.140	2116*1	4.4	4.3	4.3	4.2	0.015	0.015	0.016	0.017
6.0	0.152	1506*1	4.4	4.4	4.3	4.3	0.015	0.015	0.016	0.017
7.5	0.191	7628*1	4.6	4.5	4.5	4.5	0.015	0.015	0.016	0.017
8.0	0.203	7628*1	4.5	4.5	4.4	4.4	0.016	0.016	0.017	0.018
10.0	0.254	2116*2	4.4	4.4	4.4	4.3	0.016	0.016	0.017	0.018
12.0	0.305	1506*2	4.5	4.5	4.4	4.4	0.015	0.015	0.016	0.017
15.0	0.381	7628*2	4.6	4.6	4.5	4.5	0.015	0.015	0.016	0.017
18.0	0.457	1506*3	4.6	4.5	4.5	4.4	0.015	0.016	0.017	0.018
21.0	0.533	7628*3	4.6	4.6	4.6	4.5	0.015	0.015	0.016	0.017
25.0	0.635	7628*2+2116*2	4.4	4.4	4.4	4.3	0.016	0.016	0.017	0.018
30.0	0.762	7628*4	4.6	4.6	4.5	4.5	0.015	0.015	0.015	0.017
35.0	0.889	7628*5	4.6	4.6	4.5	4.5	0.015	0.015	0.016	0.017
40.0	1.016	7628*5	4.5	4.5	4.4	4.4	0.016	0.016	0.017	0.018
47.0	1.194	7628*6	4.7	4.6	4.5	4.5	0.015	0.015	0.016	0.017
59.0	1.499	7628*8	4.7	4.7	4.6	4.5	0.015	0.015	0.016	0.017



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## 1) PREPREG (KB-6060C)

Glass style	Thickness (mil)±10%	Thickness (mm)±10%	RC%	Dk±0.2				Df±10%			
				1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
1080	3.10	0.079	63	4.3	4.3	4.2	4.2	0.017	0.017	0.018	0.019
	3.30	0.084	65	4.3	4.2	4.2	4.1	0.017	0.017	0.018	0.019
	3.70	0.094	68	4.2	4.2	4.1	4.1	0.017	0.018	0.019	0.020
	4.00	0.102	70	4.2	4.1	4.1	4.0	0.017	0.018	0.019	0.020
3313	3.60	0.091	50	4.5	4.4	4.4	4.3	0.016	0.016	0.017	0.018
	3.80	0.097	52	4.4	4.4	4.3	4.3	0.016	0.016	0.017	0.018
	4.10	0.104	55	4.3	4.3	4.2	4.2	0.017	0.017	0.018	0.019
	4.50	0.114	58	4.3	4.3	4.2	4.2	0.018	0.018	0.019	0.019
2116	4.70	0.119	50	4.5	4.4	4.4	4.3	0.016	0.016	0.017	0.018
	5.00	0.127	53	4.5	4.4	4.3	4.3	0.016	0.016	0.017	0.018
	5.30	0.135	55	4.4	4.4	4.3	4.2	0.016	0.017	0.017	0.018
	5.60	0.142	57	4.3	4.3	4.2	4.2	0.017	0.017	0.018	0.019
1506	6.40	0.163	45	4.7	4.6	4.5	4.5	0.015	0.015	0.016	0.017
	6.60	0.168	46	4.6	4.6	4.5	4.4	0.015	0.015	0.016	0.017
	6.90	0.175	48	4.5	4.5	4.4	4.4	0.016	0.016	0.017	0.017
	7.30	0.185	50	4.5	4.5	4.4	4.4	0.016	0.017	0.017	0.018
7628	7.80	0.198	43	4.7	4.6	4.5	4.5	0.015	0.015	0.016	0.017
	8.20	0.208	45	4.6	4.5	4.5	4.4	0.015	0.015	0.016	0.018
	8.60	0.218	47	4.5	4.5	4.4	4.4	0.016	0.016	0.017	0.018
	9.30	0.236	50	4.5	4.5	4.4	4.4	0.016	0.017	0.018	0.018