



KB-3200G/PP-KB3200G Line up Electrical Properties

1) CORE (KB-3200G)

Thinckness (mil)±10%	Thinckness (mm)±10%	Layup	Dk±0.2				Df±10%			
			1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
2	0.051	106×1	3.6	3.6	3.5	3.5	0.006	0.006	0.007	0.008
2.5	0.064	1067×1	3.6	3.6	3.5	3.5	0.006	0.006	0.007	0.008
3	0.076	1080×1	3.8	3.8	3.7	3.7	0.006	0.006	0.007	0.008
3	0.076	1086×1	3.8	3.8	3.7	3.7	0.006	0.006	0.007	0.008
3.5	0.089	3313×1	4.1	4.1	4.0	4.0	0.006	0.006	0.007	0.008
4	0.102	2116×1	4.4	4.3	4.3	4.2	0.006	0.006	0.007	0.008
		106×2	3.6	3.6	3.5	3.5	0.006	0.006	0.007	0.008
4.5	0.114	2116×1	4.2	4.2	4.1	4.1	0.006	0.006	0.007	0.008
		106×2	3.5	3.5	3.4	3.4	0.006	0.006	0.007	0.008
5	0.127	2116×1	4.0	4.0	3.9	3.8	0.006	0.006	0.007	0.008
		1067×2	3.6	3.6	3.5	3.5	0.006	0.006	0.007	0.008
6	0.152	1506×1	4.3	4.2	4.2	4.1	0.006	0.006	0.007	0.008
		1080×2	3.8	3.8	3.7	3.7	0.006	0.006	0.007	0.008
7	0.178	7628×1	4.4	4.3	4.2	4.2	0.006	0.006	0.007	0.008
		3313×2	4.1	4.1	4.0	4.0	0.006	0.006	0.007	0.008
8	0.203	7628×1	4.3	4.2	4.2	4.1	0.006	0.006	0.007	0.008
		3313×2	4.0	4.0	3.9	3.8	0.006	0.006	0.007	0.008
10	0.254	2116×1	4.1	4.0	3.9	3.9	0.006	0.006	0.007	0.008
12	0.305	1506×2	4.3	4.2	4.2	4.1	0.006	0.006	0.007	0.008
15	0.381	7628×2	4.3	4.3	4.2	4.2	0.006	0.006	0.007	0.008
18	0.457	7628×2+1080×1	4.3	4.2	4.2	4.1	0.006	0.006	0.007	0.008
25	0.635	7628×3	4.3	4.2	4.1	4.1	0.006	0.006	0.007	0.008
30	0.762	7628×4	4.3	4.3	4.2	4.2	0.006	0.006	0.007	0.008
35	0.889	7628×5	4.4	4.4	4.3	4.3	0.006	0.006	0.007	0.008
40	1.016	7628×5	4.3	4.2	4.2	4.1	0.006	0.006	0.007	0.008
59	1.499	7628×8	4.4	4.4	4.3	4.3	0.006	0.006	0.007	0.008



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Electrical Properties

2) PREPREG (PP-KB3200G)

Glass style	Thickness (mil)±10%	Thickness (mm)±10%	RC%	Dk±0.2				Df±10%			
				1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
1037	2.30	0.058	76	3.5	3.5	3.4	3.4	0.006	0.006	0.007	0.008
	2.50	0.064	78	3.5	3.4	3.4	3.4	0.006	0.006	0.007	0.008
106	2.00	0.051	71	3.6	3.6	3.5	3.5	0.006	0.006	0.007	0.008
	2.20	0.056	73	3.6	3.5	3.4	3.4	0.006	0.006	0.007	0.008
	2.50	0.064	76	3.5	3.5	3.4	3.4	0.006	0.006	0.007	0.008
1067	2.20	0.056	68	3.7	3.6	3.6	3.5	0.006	0.006	0.007	0.008
	2.50	0.064	71	3.6	3.6	3.5	3.5	0.006	0.006	0.007	0.008
	2.80	0.071	74	3.6	3.5	3.4	3.4	0.006	0.006	0.007	0.008
1080/1078	2.90	0.074	62	3.8	3.8	3.7	3.7	0.006	0.006	0.007	0.008
	3.20	0.081	65	3.8	3.7	3.7	3.6	0.006	0.006	0.007	0.008
	3.50	0.089	68	3.7	3.6	3.6	3.5	0.006	0.006	0.007	0.008
	3.80	0.097	70	3.6	3.6	3.5	3.5	0.006	0.006	0.007	0.008
1086	3.70	0.094	66	3.7	3.6	3.6	3.5	0.006	0.006	0.007	0.008
	4.00	0.102	68	3.7	3.6	3.6	3.5	0.006	0.006	0.007	0.008
3313	3.60	0.091	52	4.1	4.1	4.0	3.9	0.006	0.006	0.007	0.008
	4.00	0.102	56	4.0	4.0	3.9	3.8	0.006	0.006	0.007	0.008
	4.30	0.109	58	4.0	3.9	3.8	3.8	0.006	0.006	0.007	0.008
2116	4.40	0.112	50	4.2	4.1	4.0	4.0	0.006	0.006	0.007	0.008
	4.70	0.119	52	4.1	4.1	4.0	3.9	0.006	0.006	0.007	0.008
	4.90	0.124	54	4.1	4.0	3.9	3.9	0.006	0.006	0.007	0.008
	5.20	0.132	56	4.0	4.0	3.9	3.8	0.006	0.006	0.007	0.008
	5.50	0.14	58	4.0	3.9	3.8	3.8	0.006	0.006	0.007	0.008
1506	6.00	0.152	44	4.3	4.3	4.2	4.2	0.006	0.006	0.007	0.008
	6.30	0.16	46	4.3	4.2	4.1	4.1	0.006	0.006	0.007	0.008
	6.70	0.17	48	4.2	4.2	4.1	4.1	0.006	0.006	0.007	0.008
7628	7.40	0.188	42	4.4	4.3	4.2	4.2	0.006	0.006	0.007	0.008
	7.80	0.198	44	4.3	4.3	4.2	4.2	0.006	0.006	0.007	0.008
	8.40	0.213	47	4.2	4.2	4.1	4.1	0.006	0.006	0.007	0.008
	9.00	0.229	50	4.2	4.1	4.0	4.0	0.006	0.006	0.007	0.008