



KB-6165GMD/KB-6065GMD Line up Electrical Properties

1) CORE (KB-6165GMD)

Thinckness (mil)	Thinckness (mm)	Layup	RC(%)	Dk±0.2				Df±10%			
				1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
2.0	0.05	106×1	72	3.6	3.5	3.5	3.4	0.011	0.012	0.013	0.014
2.5	0.06	1067×1	72	3.6	3.5	3.5	3.4	0.011	0.012	0.013	0.014
3.0	0.08	1078×1	64	3.8	3.7	3.7	3.6	0.011	0.012	0.012	0.013
3.0	0.08	1080×1	64	3.8	3.7	3.7	3.6	0.011	0.012	0.012	0.013
3.5	0.09	3313×1	52	4.1	4.1	4.0	4.0	0.010	0.011	0.011	0.013
4.0	0.10	2116×1	46	4.3	4.2	4.2	4.1	0.010	0.011	0.011	0.012
		106×2	72	3.6	3.5	3.5	3.4	0.011	0.012	0.013	0.014
4.5	0.11	2116×1	52	4.1	4.1	4.0	4.0	0.010	0.011	0.011	0.013
		106×2	74	3.5	3.5	3.4	3.4	0.012	0.012	0.013	0.014
5.0	0.13	2116×1	56	4.0	4.0	3.9	3.9	0.011	0.011	0.012	0.013
		1067×2	72	3.6	3.5	3.5	3.4	0.011	0.012	0.013	0.014
6.0	0.15	1506×1	44	4.3	4.3	4.2	4.2	0.010	0.010	0.011	0.012
		1080×2	64	3.8	3.7	3.7	3.6	0.011	0.012	0.012	0.013
7.0	0.18	7628×1	42	4.4	4.3	4.3	4.2	0.010	0.010	0.011	0.012
		3313×2	52	4.1	4.1	4.0	4.0	0.010	0.011	0.011	0.013
8.0	0.20	7628×1	46	4.3	4.2	4.2	4.1	0.010	0.011	0.011	0.012
		3313×2	56	4.0	4.0	3.9	3.9	0.011	0.011	0.012	0.013
10.0	0.25	2116×2	54	4.1	4.0	4.0	3.9	0.010	0.011	0.012	0.013
12.0	0.30	1506×2	44	4.3	4.3	4.2	4.2	0.010	0.010	0.011	0.012
15.0	0.38	7628×2	44	4.3	4.3	4.2	4.2	0.010	0.010	0.011	0.012
18.0	0.46	7628×2+1080×1	44	4.3	4.3	4.2	4.2	0.010	0.010	0.011	0.012
25.0	0.64	7628×3	46	4.3	4.2	4.2	4.1	0.010	0.011	0.011	0.012
30.0	0.76	7628×4	44	4.3	4.3	4.2	4.2	0.010	0.010	0.011	0.012
35.0	0.89	7628×5	40	4.4	4.4	4.3	4.3	0.010	0.010	0.011	0.012
40.0	1.02	7628×5	46	4.3	4.2	4.2	4.1	0.010	0.011	0.011	0.012
59.0	1.50	7628×8	40	4.4	4.4	4.3	4.3	0.010	0.010	0.011	0.012



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2) PREPREG (KB-6065GMD)

Glass style	RC%	Thickness (mil)	Thickness (mm)	Dk±0.2				Df±10%			
				1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
1027	72	1.7	0.04	3.7	3.6	3.6	3.5	0.011	0.012	0.013	0.014
	74	1.8	0.05	3.6	3.6	3.5	3.5	0.012	0.012	0.013	0.014
	76	2.0	0.05	3.6	3.5	3.5	3.4	0.012	0.012	0.013	0.014
1037	72	2.0	0.05	3.7	3.6	3.6	3.5	0.011	0.012	0.013	0.014
	74	2.1	0.05	3.6	3.6	3.5	3.5	0.012	0.012	0.013	0.014
	76	2.4	0.06	3.6	3.5	3.5	3.4	0.012	0.012	0.013	0.014
106	72	2.1	0.05	3.7	3.6	3.6	3.5	0.011	0.012	0.013	0.014
	74	2.3	0.06	3.6	3.6	3.5	3.5	0.012	0.012	0.013	0.014
	76	2.5	0.06	3.6	3.5	3.5	3.4	0.012	0.012	0.013	0.014
1067	72	2.6	0.06	3.7	3.6	3.6	3.5	0.011	0.012	0.013	0.014
	74	2.8	0.07	3.6	3.6	3.5	3.5	0.012	0.012	0.013	0.014
	76	3.0	0.08	3.6	3.5	3.5	3.4	0.012	0.012	0.013	0.014
1078	62	2.8	0.07	3.9	3.9	3.8	3.8	0.011	0.012	0.012	0.013
	65	3.1	0.08	3.9	3.8	3.7	3.7	0.011	0.012	0.012	0.013
	68	3.5	0.09	3.8	3.7	3.7	3.6	0.011	0.012	0.012	0.014
	70	3.8	0.10	3.7	3.7	3.6	3.6	0.011	0.012	0.013	0.014
1080	62	2.8	0.07	3.9	3.9	3.8	3.8	0.011	0.012	0.012	0.013
	65	3.1	0.08	3.9	3.8	3.7	3.7	0.011	0.012	0.012	0.013
	68	3.4	0.09	3.8	3.7	3.7	3.6	0.011	0.012	0.012	0.014
	70	3.7	0.09	3.7	3.7	3.6	3.6	0.011	0.012	0.013	0.014
1086	65	3.5	0.09	3.9	3.8	3.7	3.7	0.011	0.012	0.012	0.013
	68	3.9	0.10	3.8	3.7	3.7	3.6	0.011	0.012	0.012	0.014
	70	4.2	0.11	3.7	3.7	3.6	3.6	0.011	0.012	0.013	0.014



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2) PREPREG (KB-6065GMD)

Glass style	RC%	Thickness (mil)	Thickness (mm)	Dk±0.2				Df±10%			
				1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
3313	52	3.6	0.09	4.2	4.2	4.1	4.0	0.010	0.011	0.011	0.013
	56	4.0	0.10	4.1	4.1	4.0	3.9	0.011	0.011	0.012	0.013
	58	4.3	0.11	4.1	4.0	3.9	3.9	0.011	0.011	0.012	0.013
	60	4.5	0.12	4.0	4.0	3.9	3.8	0.011	0.011	0.012	0.013
2116	52	4.7	0.12	4.2	4.2	4.1	4.0	0.010	0.011	0.011	0.013
	54	4.9	0.12	4.2	4.1	4.0	4.0	0.010	0.011	0.012	0.013
	56	5.2	0.13	4.1	4.1	4.0	3.9	0.011	0.011	0.012	0.013
	58	5.5	0.14	4.1	4.0	3.9	3.9	0.011	0.011	0.012	0.013
	60	5.9	0.15	4.0	4.0	3.9	3.8	0.011	0.011	0.012	0.013
1506	44	6.0	0.15	4.4	4.4	4.3	4.2	0.010	0.010	0.011	0.012
	46	6.3	0.16	4.4	4.3	4.2	4.2	0.010	0.011	0.011	0.012
	48	6.6	0.17	4.3	4.3	4.2	4.1	0.010	0.011	0.011	0.012
7628	42	7.3	0.19	4.5	4.4	4.3	4.3	0.010	0.010	0.011	0.012
	44	7.7	0.19	4.4	4.4	4.3	4.2	0.010	0.010	0.011	0.012
	47	8.2	0.21	4.3	4.3	4.2	4.2	0.010	0.011	0.011	0.012
	50	8.9	0.23	4.3	4.2	4.1	4.1	0.010	0.011	0.011	0.012