KB

KB-6169GT/KB-6069GT Line up
Electrical Properties

1) CORE (KB-6169GT)

Thinckness (mil)±10%	Thinckness (mm)±10%	Layup	Dk±0.2				Df±10%			
			1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
2.5	0.064	1067×1	4.0	4.0	3.9	3.9	0.016	0.016	0.017	0.017
3.0	0.076	1080×1	4.2	4.2	4.1	4.0	0.014	0.015	0.016	0.017
3.5	0.089	3313×1	4.5	4.4	4.4	4.4	0.013	0.014	0.015	0.016
4.0	0.102	2116×1	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
4.5	0.114	2116×1	4.5	4.4	4.4	4.3	0.013	0.014	0.015	0.015
5.0	0.127	2116×1	4.4	4.3	4.3	4.2	0.013	0.014	0.015	0.016
5.0	0.127	2165×1	4.5	4.4	4.4	4.4	0.012	0.013	0.014	0.015
5.5	0.140	1506*1	4.7	4.6	4.5	4.5	0.012	0.013	0.014	0.014
6.0	0.152	1506*1	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
7.5	0.191	7628*1	4.7	4.6	4.5	4.5	0.012	0.013	0.014	0.015
8.0	0.203	7628*1	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
10.0	0.254	2116*2	4.4	4.3	4.3	4.2	0.013	0.014	0.015	0.016
10.0	0.254	2165*2	4.5	4.4	4.4	4.4	0.012	0.013	0.014	0.015
12.0	0.305	1506×2	4.7	4.6	4.6	4.5	0.012	0.013	0.014	0.015
15.0	0.381	7628*2	4.7	4.6	4.5	4.5	0.012	0.013	0.014	0.015
18.0	0.457	7628×2+1080×1	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
21.0	0.533	7628*3	4.7	4.6	4.5	4.5	0.012	0.013	0.014	0.014
24.0	0.610	7628*3	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
30.0	0.762	7628*4	4.7	4.6	4.5	4.5	0.012	0.013	0.014	0.015
35.0	0.889	7628*5	4.7	4.6	4.5	4.5	0.012	0.013	0.014	0.014
40.0	1.016	7628*5	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
47.0	1.194	7628*6	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
59.0	1.499	7628*8	4.7	4.6	4.5	4.5	0.012	0.013	0.014	0.015

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2) PREPREG (KB-6069GT)

Glass style	Thickness (mil)±10%	Thickness (mm)±10%	RC%	Dk±0.2				Df±10%			
				1GHz	2GHz	5GHz	10GHz	1GHz	2GHz	5GHz	10GHz
106	2.0	0.051	72	4.0	4.0	3.9	3.9	0.016	0.016	0.017	0.017
	2.2	0.056	74	4.0	4.0	3.9	3.8	0.016	0.016	0.017	0.017
	2.4	0.061	76	4.0	4.0	3.9	3.8	0.016	0.017	0.018	0.018
	2.6	0.066	78	3.9	3.9	3.8	3.8	0.017	0.017	0.018	0.018
1067	2.3	0.058	70	4.1	4.0	4.0	3.9	0.015	0.016	0.017	0.017
	2.5	0.064	72	4.0	4.0	3.9	3.9	0.016	0.016	0.017	0.017
	2.7	0.069	74	4.0	4.0	3.9	3.8	0.016	0.016	0.017	0.017
1080/1078	2.7	0.069	62	4.2	4.2	4.1	4.0	0.014	0.015	0.016	0.016
	2.9	0.074	64	4.2	4.2	4.1	4.0	0.014	0.015	0.016	0.016
	3.3	0.084	68	4.2	4.2	4.1	4.0	0.014	0.015	0.016	0.017
1086	3.2	0.081	64	4.2	4.2	4.1	4.0	0.014	0.015	0.016	0.016
	3.4	0.086	66	4.2	4.2	4.1	4.0	0.014	0.015	0.016	0.017
	3.7	0.094	68	4.2	4.2	4.1	4.0	0.014	0.015	0.016	0.017
3313	3.6	0.091	52	4.5	4.4	4.4	4.3	0.013	0.014	0.015	0.015
	3.9	0.099	55	4.4	4.4	4.3	4.3	0.013	0.014	0.015	0.015
	4.2	0.107	58	4.4	4.3	4.2	4.2	0.013	0.014	0.015	0.016
2116	4.5	0.114	52	4.5	4.4	4.4	4.3	0.013	0.014	0.015	0.015
	4.8	0.122	54	4.4	4.4	4.3	4.3	0.013	0.014	0.015	0.015
	5.0	0.127	56	4.4	4.3	4.3	4.2	0.013	0.014	0.015	0.016
	5.3	0.135	58	4.4	4.3	4.2	4.2	0.013	0.014	0.015	0.016
	5.6	0.142	60	4.3	4.2	4.2	4.1	0.014	0.014	0.015	0.016
2165	5.3	0.135	52	4.5	4.4	4.4	4.3	0.013	0.014	0.015	0.015
	5.7	0.145	55	4.4	4.4	4.3	4.3	0.013	0.014	0.015	0.015
	6.2	0.157	58	4.4	4.3	4.2	4.2	0.013	0.014	0.015	0.016
1506	6.4	0.163	48	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
	6.7	0.170	50	4.5	4.4	4.4	4.4	0.012	0.013	0.014	0.015
	7.1	0.180	52	4.5	4.4	4.4	4.3	0.013	0.014	0.015	0.015
7628	7.3	0.185	43	4.7	4.6	4.5	4.5	0.012	0.013	0.014	0.014
	7.6	0.193	45	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015
	8.0	0.203	47	4.6	4.5	4.5	4.4	0.012	0.013	0.014	0.015