

ITEQ CORPORATION

core IT-180A

		Dk					Df				
Core Thickness	Standard Construction	Dk at 1.0 MHz	Dk at 1GHz	Dk at 2.0 GHz	Dk at 5.0 GHz	Dk at 10.0 GHz	Df at 1.0 MHz	Df at 1GHz	Df at 2.0 GHz	Df at 5.0 GHz	Df at 10.0 GHz
0.0020	106	4.00	3.90	3.70	3.60	3.50	0.0140	0.0140	0.0150	0.0150	0.0150
0.0025	1067	4.05	3.85	3.65	3.60	3.60	0.0140	0.0140	0.0150	0.0150	0.0150
0.0030	1086/1080	4.10	3.80	3.70	3.65	3.65	0.0140	0.0140	0.0150	0.0150	0.0150
0.0040	2116	4.20	4.00	3.80	3.90	3.70	0.0140	0.0140	0.0150	0.0150	0.0150
0.0050	1080x2	4.10	3.80	3.70	3.65	3.65	0.0140	0.0140	0.0150	0.0150	0.0150
0.0050	2116	4.30	4.10	3.90	3.90	3.70	0.0140	0.0140	0.0150	0.0150	0.0150
0.0060	1506	4.50	4.30	4.10	3.90	3.80	0.0140	0.0140	0.0150	0.0150	0.0150
0.0070	7628	4.50	4.30	4.10	3.90	4.00	0.0140	0.0140	0.0150	0.0150	0.0150
0.0080	7628	4.50	4.30	4.10	3.90	3.80	0.0140	0.0140	0.0150	0.0150	0.0150
0.0100	2116X2	4.50	4.30	4.10	3.90	3.80	0.0140	0.0150	0.0150	0.0150	0.0150
0.0120	1506X2	4.60	4.40	4.20	4.00	3.90	0.0140	0.0150	0.0150	0.0150	0.0150
0.0140	7628X2	4.60	4.40	4.20	4.00	4.00	0.0140	0.0150	0.0150	0.0150	0.0150
0.0210	7628X3	4.60	4.40	4.20	4.00	4.00	0.0130	0.0140	0.0150	0.0150	0.0150
0.0280	7628X4	4.60	4.40	4.20	4.10	4.00	0.0130	0.0140	0.0150	0.0140	0.0150
0.0370	7628X5	4.60	4.40	4.20	4.10	4.00	0.0130	0.0130	0.0150	0.0140	0.0140

Note:DK test range +/-0.2 ,Resin content for reference

Note:Df test range +/-0.005 ,Resin content for reference

Test methods: 100-1GHz network analyzer by HP4291B,
2GHz,5GHz,10GHz by Agilent technologies

prepreg IT-180A

Dk								Df @				
Prepreg	Thickness (in.)	Resin Content	Dk @ 1 MHz	Dk @ 1 GHz	Dk @ 2.0 GHz	Dk @ 5.0 GHz	Dk @ 10.0 GHz	Df @ 1MHz	Df @ 1.0 GHz	Df @ 2.0 GHz	Df @ 5.0 GHz	Df @ 10.0 GHz
106	2.0	72	4.00	3.90	3.85	3.80	3.60	0.0140	0.0150	0.0170	0.0190	0.0200
1067	2.4	71	4.10	3.90	3.90	3.85	3.65	0.0140	0.0150	0.0160	0.0180	0.0190
1080	2.8	62	4.15	4.05	3.90	3.85	3.65	0.0140	0.0150	0.0160	0.0180	0.0190
1086	3.0	62	4.15	4.05	3.90	3.85	3.65	0.0140	0.0150	0.0160	0.0180	0.0190
2113	3.8	56	4.15	4.05	3.95	3.85	3.75	0.0140	0.0150	0.0160	0.0170	0.0190
2116	4.6	53	4.20	4.10	4.00	3.90	3.70	0.0140	0.0150	0.0160	0.0170	0.0180
1506	6.4	48	4.20	4.10	4.10	3.90	3.80	0.0140	0.0150	0.0160	0.0160	0.0160
7628	7.4	43	4.20	4.10	4.00	3.90	3.70	0.0140	0.0150	0.0160	0.0160	0.0160
7628HR	8.2	50	4.30	4.20	4.20	4.00	3.90	0.0140	0.0150	0.0160	0.0160	0.0160

Note:DK test range +/-0.2 ,Resin content for reference

Note:Df test range +/-0.005 ,Resin content for reference

Test methods: 100-1GHz network analyzer by HP4291B,
2GHz,5GHz,10GHz by Agilent technologies