



## TU-872 SLK Typical Dk/Df Value

### Thin core Standard Construction List

Nominal Thickness		Standard Construction	RC (%)	Dk@						Df@					
(mils)	(mm)			1GHz	2GHz	5GHz	10GHz	15GHz	20GHz	1GHz	2GHz	5GHz	10GHz	15GHz	20GHz
2.0	0.051	1067x1	67	3.61	3.44	3.44	3.42	3.39	3.37	0.0083	0.0085	0.0086	0.0090	0.0094	0.0101
2.0	0.051	106x1	71	3.51	3.33	3.34	3.32	3.28	3.27	0.0085	0.0086	0.0087	0.0091	0.0095	0.0102
2.5	0.064	1067x1	72	3.48	3.30	3.31	3.29	3.26	3.25	0.0086	0.0087	0.0088	0.0091	0.0095	0.0102
2.5	0.064	1080x1	59	3.80	3.66	3.65	3.62	3.59	3.57	0.0080	0.0081	0.0083	0.0088	0.0092	0.0099
3.0	0.076	1078x1	64	3.68	3.52	3.52	3.50	3.46	3.45	0.0082	0.0083	0.0085	0.0089	0.0093	0.0100
3.0	0.076	1080x1	64	3.68	3.52	3.52	3.50	3.46	3.45	0.0082	0.0083	0.0085	0.0089	0.0093	0.0100
3.5	0.089	3313x1	51	4.00	3.88	3.87	3.82	3.79	3.78	0.0076	0.0077	0.0081	0.0087	0.0091	0.0098
4.0	0.102	3313x1	56	3.88	3.74	3.73	3.70	3.66	3.65	0.0078	0.0080	0.0082	0.0088	0.0092	0.0099
4.0	0.102	1067x2	67	3.61	3.44	3.44	3.42	3.39	3.37	0.0083	0.0085	0.0086	0.0090	0.0094	0.0101
4.0	0.102	106x2	71	3.51	3.33	3.34	3.32	3.28	3.27	0.0085	0.0086	0.0087	0.0091	0.0095	0.0102
4.5	0.114	2116x1	52	3.99	3.86	3.85	3.81	3.78	3.76	0.0076	0.0078	0.0081	0.0087	0.0091	0.0098
4.5	0.114	3313x1	60	3.78	3.63	3.63	3.60	3.56	3.55	0.0080	0.0081	0.0084	0.0089	0.0093	0.0100
5.0	0.127	2116x1	55	3.90	3.77	3.76	3.72	3.69	3.67	0.0078	0.0079	0.0082	0.0088	0.0092	0.0099
5.0	0.127	1078x2	59	3.80	3.66	3.65	3.62	3.59	3.57	0.0080	0.0081	0.0083	0.0088	0.0092	0.0099
5.0	0.127	1080x2	59	3.80	3.66	3.65	3.62	3.59	3.57	0.0080	0.0081	0.0083	0.0088	0.0092	0.0099
6.0	0.152	1078x2	64	3.68	3.52	3.52	3.50	3.46	3.45	0.0082	0.0083	0.0085	0.0089	0.0093	0.0100
6.0	0.152	1080x2	64	3.68	3.52	3.52	3.50	3.46	3.45	0.0082	0.0083	0.0085	0.0089	0.0093	0.0100
7.0	0.178	3313x2	51	4.00	3.88	3.87	3.82	3.79	3.78	0.0076	0.0077	0.0081	0.0087	0.0091	0.0098
8.0	0.203	3313x2	56	3.88	3.74	3.73	3.70	3.66	3.65	0.0078	0.0080	0.0082	0.0088	0.0092	0.0099
10.0	0.254	2116x2	55	3.90	3.77	3.76	3.72	3.69	3.67	0.0078	0.0079	0.0082	0.0088	0.0092	0.0099
15.0	0.381	2116X3	55	3.90	3.77	3.76	3.72	3.69	3.67	0.0078	0.0079	0.0082	0.0088	0.0092	0.0099
21.0	0.533	2116X4	57	3.86	3.72	3.71	3.68	3.64	3.63	0.0079	0.0080	0.0083	0.0088	0.0092	0.0099
24.0	0.610	2116X5	54	3.93	3.80	3.79	3.76	3.72	3.71	0.0077	0.0079	0.0082	0.0087	0.0091	0.0098
28.0	0.711	2116x6	53	3.95	3.82	3.81	3.77	3.74	3.73	0.0077	0.0078	0.0082	0.0087	0.0091	0.0098

### Thin core None Standard Construction List

Nominal Thickness		Standard Construction	RC (%)	Dk@						Df@					
(mils)	(mm)			1GHz	2GHz	5GHz	10GHz	15GHz	20GHz	1GHz	2GHz	5GHz	10GHz	15GHz	20GHz
3.5	0.09	1037x2	69	3.56	3.38	3.39	3.37	3.33	3.32	0.0084	0.0085	0.0087	0.0091	0.0094	0.0101
3.5	0.09	2113x1	53	3.95	3.82	3.81	3.77	3.74	3.73	0.0077	0.0078	0.0082	0.0087	0.0091	0.0098
4.0	0.10	2113x1	58	3.83	3.69	3.68	3.65	3.61	3.60	0.0079	0.0081	0.0083	0.0088	0.0092	0.0099
7.0	0.18	2113x2	53	3.95	3.82	3.81	3.77	3.74	3.73	0.0077	0.0078	0.0082	0.0087	0.0091	0.0098
8.0	0.20	2113x2	58	3.83	3.69	3.68	3.65	3.61	3.60	0.0079	0.0081	0.0083	0.0088	0.0092	0.0099

GHz: Measured by SPC Method





## TU-87P SLK Typical Dk/Df Value

### Prepreg Standard Construction List

Nominal Thickness		Prepreg type	RC (%)	Dk@						Df@					
(mile)	(mm)			1GHz	2GHz	5GHz	10GHz	15GHz	20GHz	1GHz	2GHz	5GHz	10GHz	15GHz	20GHz
2.5	0.064	1067	72	3.48	3.30	3.31	3.29	3.26	3.25	0.0086	0.0087	0.0088	0.0091	0.0095	0.0102
2.5	0.064	106	76	3.38	3.19	3.21	3.19	3.16	3.15	0.0088	0.0088	0.0089	0.0092	0.0096	0.0103
3.0	0.076	1078	64	3.68	3.52	3.52	3.50	3.46	3.45	0.0082	0.0083	0.0085	0.0089	0.0093	0.0100
3.0	0.076	1080	64	3.68	3.52	3.52	3.50	3.46	3.45	0.0082	0.0083	0.0085	0.0089	0.0093	0.0100
3.5	0.089	1078	69	3.56	3.38	3.39	3.37	3.33	3.32	0.0084	0.0085	0.0087	0.0091	0.0094	0.0101
3.5	0.089	1080	69	3.56	3.38	3.39	3.37	3.33	3.32	0.0084	0.0085	0.0087	0.0091	0.0094	0.0101
3.5	0.089	3313	51	4.00	3.88	3.87	3.82	3.79	3.78	0.0076	0.0077	0.0081	0.0087	0.0091	0.0098
4.0	0.102	3313	56	3.88	3.74	3.73	3.70	3.66	3.65	0.0078	0.0080	0.0082	0.0088	0.0092	0.0099
4.5	0.114	3313	60	3.78	3.63	3.63	3.60	3.56	3.55	0.0080	0.0081	0.0084	0.0089	0.0093	0.0100
5.0	0.127	2116	55	3.90	3.77	3.76	3.72	3.69	3.67	0.0078	0.0079	0.0082	0.0088	0.0092	0.0099
5.5	0.140	2116	59	3.80	3.66	3.65	3.62	3.59	3.57	0.0080	0.0081	0.0083	0.0088	0.0092	0.0099

### Prepreg None Standard Construction List

Nominal Thickness		Prepreg type	RC (%)	Dk@						Df@					
(mile)	(mm)			1GHz	2GHz	5GHz	10GHz	15GHz	20GHz	1GHz	2GHz	5GHz	10GHz	15GHz	20GHz
2.0	0.05	1037	72	3.48	3.30	3.31	3.29	3.26	3.25	0.0086	0.0087	0.0088	0.0091	0.0095	0.0102
2.0	0.05	1067	67	3.61	3.44	3.44	3.42	3.39	3.37	0.0083	0.0085	0.0086	0.0090	0.0094	0.0101
2.0	0.05	106	71	3.51	3.33	3.34	3.32	3.28	3.27	0.0085	0.0086	0.0087	0.0091	0.0095	0.0102
2.5	0.06	1080	59	3.80	3.66	3.65	3.62	3.59	3.57	0.0080	0.0081	0.0083	0.0088	0.0092	0.0099
4.0	0.10	2113	58	3.83	3.69	3.68	3.65	3.61	3.60	0.0079	0.0081	0.0083	0.0088	0.0092	0.0099
4.5	0.11	2113	62	3.73	3.58	3.58	3.55	3.51	3.50	0.0081	0.0082	0.0084	0.0089	0.0093	0.0100
6.0	0.15	1652	52	3.98	3.85	3.84	3.80	3.76	3.75	0.0076	0.0078	0.0081	0.0087	0.0091	0.0098

GHz: Measured by SPC Method

