



Impedance Constraint Information (I)

Imp #	Impedance Type		Affect		Cust L/W	Line Width		CenterToCenter		Ref Top	Plane Bot	Targ ohms	ToI ohms	Predicted ohms@2GHz
			(1)	(2)		(1)	(2)	(1)	(2)					
1	EC MS		1	None	0.015	0.015	0.015	0.023		None	2	66	6.6	66.35
2	EC MS		1	None	0.009	0.009	0.009	0.014		None	2	80	8	79.73
3	EC MS		1	None	0.0078	0.0078	0.0078	0.0128		None	2	85	8.5	84.82
4	EC MS		1	None	0.007	0.007	0.007	0.012		None	2	90	9	88.66
5	EC MS		1	None	0.005	0.005	0.005	0.01		None	2	100	10	100.34
6	EC MS		1	None	0.003	0.003	0.003	0.011		None	2	132	13.2	132.00
7	Surf MS		1	None	0.018	0.018				None	2	33	3.3	32.79
8	Surf MS		1	None	0.013	0.013				None	2	40	4	40.22
9	Surf MS		1	None	0.009	0.009				None	2	50	5	49.32
10	Surf MS		1	None	0.0048	0.0048				None	2	66	6.6	65.38
11	EC SL		3	None	0.0075	0.0075	0.0075	0.0125		4	2	66	6.6	64.96
12	EC SL		3	None	0.005	0.005	0.005	0.01		4	2	80	8	80.34
13	EC SL		3	None	0.0045	0.0045	0.0045	0.0095		4	2	85	8.5	84.36
14	EC SL		3	None	0.0038	0.0038	0.0038	0.0088		4	2	90	9	90.79
15	EC SL		3	None	0.003	0.003	0.003	0.008		4	2	100	10	99.65
16	EC SL		3	None	0.003	0.003	0.003	0.018		4	2	132	13.2	109.79
17	Stripline		3	None	0.008	0.008				4	2	33	4	33.33
18	Stripline		3	None	0.006	0.006				4	2	40	4	39.52
19	Stripline		3	None	0.0038	0.0038				4	2	50	5	49.78
20	Stripline		3	None	0.003	0.003				4	2	66	6.6	55.07
21	EC SL		5	None	0.0075	0.0075	0.0075	0.0125		6	4	66	6.6	64.96
22	EC SL		5	None	0.005	0.005	0.005	0.01		6	4	80	8	80.34
23	EC SL		5	None	0.0045	0.0045	0.0045	0.0095		6	4	85	8.5	84.36
24	EC SL		5	None	0.0038	0.0038	0.0038	0.0088		6	4	90	9	90.79
25	EC SL		5	None	0.003	0.003	0.003	0.008		6	4	100	10	99.65
26	EC SL		5	None	0.003	0.003	0.003	0.018		6	4	132	13.2	109.79
27	Stripline		5	None	0.008	0.008				6	4	33	3.3	33.33
28	Stripline		5	None	0.006	0.006				6	4	40	4	39.52
29	Stripline		5	None	0.0038	0.0038				6	4	50	5	49.78
30	Stripline		5	None	0.003	0.003				6	4	66	6.6	55.07
31	EC SL		7	None	0.0075	0.0075	0.0075	0.0125		8	6	66	6.6	64.96
32	EC SL		7	None	0.005	0.005	0.005	0.01		8	6	80	8	80.34
33	EC SL		7	None	0.0045	0.0045	0.0045	0.0095		8	6	85	8.5	84.36
34	EC SL		7	None	0.0038	0.0038	0.0038	0.0088		8	6	90	9	90.79
35	EC SL		7	None	0.003	0.003	0.003	0.008		8	6	100	10	99.65
36	EC SL		7	None	0.003	0.003	0.003	0.018		8	6	132	13.2	109.79
37	Stripline		7	None	0.008	0.008				8	6	33	3.3	33.33
38	Stripline		7	None	0.006	0.006				8	6	40	4	39.52
39	Stripline		7	None	0.0038	0.0038				8	6	50	5	49.78
40	Stripline		7	None	0.003	0.003				8	6	66	6.6	55.07
41	EC SL		10	None	0.0075	0.0075	0.0075	0.0125		9	11	66	6.6	64.96
42	EC SL		10	None	0.005	0.005	0.005	0.01		9	11	80	8	80.34
43	EC SL		10	None	0.0045	0.0045	0.0045	0.0095		9	11	85	8.5	84.36
44	EC SL		10	None	0.0038	0.0038	0.0038	0.0088		9	11	90	9	90.79
45	EC SL		10	None	0.003	0.003	0.003	0.008		9	11	100	10	99.65
46	EC SL		10	None	0.003	0.003	0.003	0.018		9	11	132	13.2	109.79
47	Stripline		10	None	0.008	0.008				9	11	33	3.3	33.33
48	Stripline		10	None	0.006	0.006				9	11	40	4	39.52
49	Stripline		10	None	0.0038	0.0038				9	11	50	5	49.78
50	Stripline		10	None	0.003	0.003				9	11	66	6.6	55.07
51	EC SL		12	None	0.0075	0.0075	0.0075	0.0125		11	13	66	6.6	64.96
52	EC SL		12	None	0.005	0.005	0.005	0.01		11	13	80	8	80.34
53	EC SL		12	None	0.0045	0.0045	0.0045	0.0095		11	13	85	8.5	84.36
54	EC SL		12	None	0.0038	0.0038	0.0038	0.0088		11	13	90	9	90.79
55	EC SL		12	None	0.003	0.003	0.003	0.008		11	13	100	10	99.65
56	EC SL		12	None	0.003	0.003	0.003	0.018		11	13	132	13.2	109.79
57	Stripline		12	None	0.008	0.008				11	13	33	3.3	33.33
58	Stripline		12	None	0.006	0.006				11	13	40	4	39.52
59	Stripline		12	None	0.0038	0.0038				11	13	50	5	49.78
60	Stripline		12	None	0.003	0.003				11	13	66	6.6	55.07
61	EC SL		14	None	0.0075	0.0075	0.0075	0.0125		13	15	66	6.6	64.96
62	EC SL		14	None	0.005	0.005	0.005	0.01		13	15	80	8	80.34
63	EC SL		14	None	0.0045	0.0045	0.0045	0.0095		13	15	85	8.5	84.36
64	EC SL		14	None	0.0038	0.0038	0.0038	0.0088		13	15	90	9	90.79
65	EC SL		14	None	0.003	0.003	0.003	0.008		13	15	100	10	99.65
66	EC SL		14	None	0.003	0.003	0.003	0.018		13	15	132	13.2	109.79
67	Stripline		14	None	0.008	0.008				13	15	33	3.3	33.33
68	Stripline		14	None	0.006	0.006				13	15	40	4	39.52
69	Stripline		14	None	0.0038	0.0038				13	15	50	5	49.78
70	Stripline		14	None	0.003	0.003				13	15	66	6.6	55.07
71	EC MS		16	None	0.015	0.015	0.015	0.023		None	15	66	6.6	66.35
72	EC MS		16	None	0.009	0.009	0.009	0.014		None	15	80	8	79.73
73	EC MS		16	None	0.0078	0.0078	0.0078	0.0128		None	15	85	8.5	84.82
74	EC MS		16	None	0.007	0.007	0.007	0.012		None	15	90	9	88.66
75	EC MS		16	None	0.005	0.005	0.005	0.01		None	15	100	10	100.34
76	EC MS		16	None	0.003	0.003	0.003	0.011		None	15	132	13.2	132.00
77	Surf MS		16	None	0.018	0.018				None	15	33	3.3	32.79
78	Surf MS		16	None	0.013	0.013				None	15	40	4	40.22
79	Surf MS		16	None	0.009	0.009				None	15	50	5	49.32
80	Surf MS		16	None	0.0048	0.0048				None	15	66	6.6	65.38

Trace widths measured at base of trace  
All dimensions in inches (unless otherwise noted)

Products built using these specified nominal dimensions will have variation in physical and electrical results based on acceptable manufacturing materials and process tolerance.  
This data is intended to provide one possible solution to meet a particular set of impedance and thickness requirements.  
If any of these values are attached to fabrication prints, they should be marked as 'reference'.

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