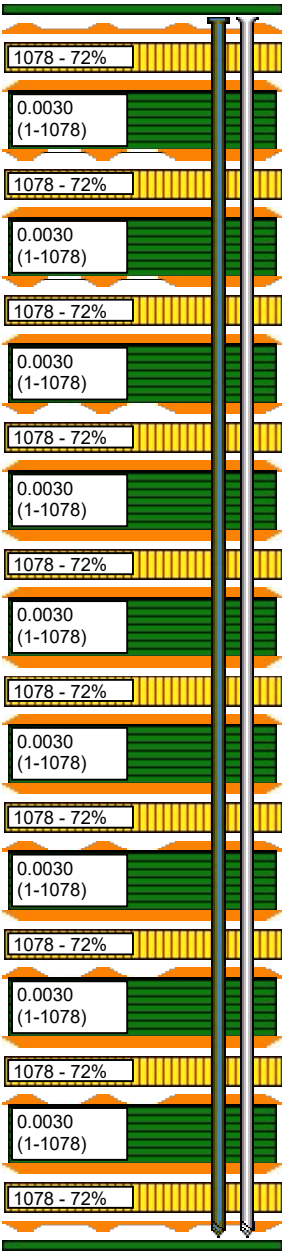


















Layer	Calc Thickness	Primary Stack	Description	Dk / Df
Layer - 1	0.0010 0.0021		Taiyo 4000-HFX DI 1/4oz Sig (0.0018 Plt)	3.50 / 0.0190
Layer - 2	0.0006 0.0030		R-5670K 1/2oz P/G	3.23 / 0.0050
Layer - 3	0.0006 0.0035		R-5775K 1/2oz Mix	3.42 / 0.0050
Layer - 4	0.0006 0.0030		R-5670K 1/2oz P/G	3.23 / 0.0050
Layer - 5	0.0006 0.0035		R-5775K 1/2oz Mix	3.42 / 0.0050
Layer - 6	0.0006 0.0030		R-5670K 1/2oz P/G	3.23 / 0.0050
Layer - 7	0.0006 0.0033		R-5775K 1/2oz Mix	3.42 / 0.0050
Layer - 8	0.0012 0.0030		R-5670K 1oz P/G	3.23 / 0.0050
Layer - 9	0.0012 0.0033		R-5775K 1oz P/G	3.42 / 0.0050
Layer - 10	0.0012 0.0030		R-5670K 1oz P/G	3.23 / 0.0050
Layer - 11	0.0012 0.0033		R-5775K 1oz P/G	3.42 / 0.0050
Layer - 12	0.0012 0.0030		R-5670K 1oz P/G	3.23 / 0.0050
Layer - 13	0.0012 0.0033		R-5775K 1oz P/G	3.42 / 0.0050
Layer - 14	0.0006 0.0030		R-5670K 1/2oz Mix	3.23 / 0.0050
Layer - 15	0.0006 0.0035		R-5775K 1/2oz P/G	3.42 / 0.0050
Layer - 16	0.0006 0.0030		R-5670K 1/2oz Mix	3.23 / 0.0050
Layer - 17	0.0006 0.0035		R-5775K 1/2oz P/G	3.42 / 0.0050
Layer - 18	0.0006 0.0030		R-5670K 1/2oz Mix	3.23 / 0.0050
Layer - 19	0.0006 0.0039		R-5775K 1/2oz P/G	3.42 / 0.0050
Layer - 20	0.0021 0.0010		R-5670K 1/4oz Sig (0.0018 Plt) Taiyo 4000-HFX DI	3.23 / 0.0050 3.50 / 0.0190

Materials: Panasonic R-5670K Megtron 6 prepreg
Panasonic R-5775K Megtron 6

Requirement	Req. Thickness	Tol +	Tol -	Calc Thick
Incl. Plating & Mask	0.0800	0.0080	0.0080	0.0826
Incl. Mask over Laminate	0.0794	0.0079	0.0079	0.0784
Incl. Plating	0.0780	0.0078	0.0078	0.0806
After Lamination	0.0780	0.0039	0.0039	0.0770
Over Laminate	0.0774	0.0077	0.0077	0.0764

Impedance Type	Layer	Design	Actual	Pitch	Plane	Target	Tol (ohms)	Predict
1  EC Microstrip	L1	-	0.0045	0.0110	-	100	10.0	99.36
	-	-	0.0045	-	L2			
2  Surface MS	L1	-	0.0070	-	-	50	5.0	49.39
	-	-	-	-	L2			
3  EC Stripline	L3	-	0.0033	0.0120	L2	100	10.0	100.28
	-	-	0.0033	-	L4			
4  Stripline	L3	-	0.0034	-	L2	50	5.0	49.73
	-	-	-	-	L4			
5  EC Stripline	L5	-	0.0033	0.0120	L4	100	10.0	100.28
	-	-	0.0033	-	L6			
6  Stripline	L5	-	0.0034	-	L4	50	5.0	49.73
	-	-	-	-	L6			
7  EC Stripline	L7	-	0.0033	0.0120	L6	100	10.0	98.92
	-	-	0.0033	-	L8			
8  Stripline	L7	-	0.0034	-	L6	50	5.0	49.00
	-	-	-	-	L8			
9  EC Stripline	L14	-	0.0033	0.0120	L13	100	10.0	98.92
	-	-	0.0033	-	L15			
10  Stripline	L14	-	0.0034	-	L13	50	5.0	49.00
	-	-	-	-	L15			
11  EC Stripline	L16	-	0.0033	0.0120	L15	100	10.0	100.28
	-	-	0.0033	-	L17			
12  Stripline	L16	-	0.0034	-	L15	50	5.0	49.73
	-	-	-	-	L17			
13  EC Stripline	L18	-	0.0033	0.0120	L17	100	10.0	100.28
	-	-	0.0033	-	L19			
14  Stripline	L18	-	0.0034	-	L17	50	5.0	49.73
	-	-	-	-	L19			
15  EC Microstrip	L20	-	0.0045	0.0110	L19	100	10.0	99.36
	-	-	0.0045	-	-			
16  Surface MS	L20	-	0.0070	-	L19	50	5.0	49.39
	-	-	-	-	-			