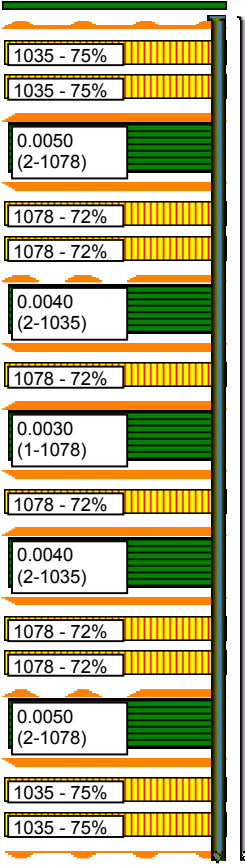


Layer	Calc Thickness	Primary Stack	Description	Dk / Df
Layer - 1	0.0005 0.0020		Taiyo 4000-BN 1/4oz Sig (0.0017 Plt)	3.90 / 0.0330
	0.0056		R-5670K	3.22 / 0.0020
Layer - 2	0.0006		1/2oz P/G	
	0.0050		R-5775K	3.58 / 0.0040
Layer - 3	0.0006		1/2oz P/G	
	0.0076		R-5670K	3.23 / 0.0020
Layer - 4	0.0006		1/2oz Mix	
	0.0040		R-5775K	3.39 / 0.0020
Layer - 5	0.0006		1/2oz P/G	
	0.0037		R-5670K	3.23 / 0.0020
Layer - 6	0.0006		1/2oz P/G	
	0.0030		R-5775K	3.42 / 0.0020
Layer - 7	0.0006		1/2oz P/G	
	0.0037		R-5670K	3.23 / 0.0020
Layer - 8	0.0006		1/2oz P/G	
	0.0040		R-5775K	3.39 / 0.0020
Layer - 9	0.0006		1/2oz P/G	
	0.0076		R-5670K	3.23 / 0.0020
Layer - 10	0.0006		1/2oz Mix	
	0.0050		R-5775K	3.58 / 0.0040
Layer - 11	0.0006		1/2oz P/G	
	0.0056		R-5670K	3.22 / 0.0020
Layer - 12	0.0020 0.0005		1/4oz Sig (0.0017 Plt) Taiyo 4000-BN	3.90 / 0.0330












Materials: Panasonic R-5670K Megtron 6 prepreg

Panasonic R-5775K Megtron 6

Requirement	Req. Thickness	Tol +	Tol -	Calc Thick
Incl. Plating & Mask	0.0660	0.0066	0.0066	0.0658
Incl. Mask over Laminate	0.0654	0.0065	0.0065	0.0618
Incl. Plating	0.0650	0.0065	0.0065	0.0648
After Lamination	0.0650	0.0033	0.0033	0.0614
Over Laminate	0.0644	0.0064	0.0064	0.0608

Job Comment

Unbalanced sig/pln layers may lead to warpage concerns.
Using Spread glass for high speed

Impedance Type		Layer	Design	Actual	Spacing	Plane	Target	Tol (ohms)	Predict
1	 Surface MS	L1	-	0.0110	-	-	50	5.0	50.11
		-	-	-	-	L2			
2	 EC Microstrip	L1	-	0.0100	0.0180	-	100	10.0	99.94
		-	-	0.0100	-	L2			
Comment: Loosely Coupled									
3	 EC Microstrip	L1	0.0060	0.0060	0.0050	-	100	10.0	99.56
		-	0.0060	0.0060	-	L2			
4	 Stripline	L4	-	0.0055	-	L3	50	5.0	49.98
		-	-	-	-	L5			
5	 EC Stripline	L4	-	0.0049	0.0071	L3	100	10.0	100.34
		-	-	0.0049	-	L5			
6	 Stripline	L10	-	0.0065	-	L9	50	5.0	49.04
		-	-	-	-	L11			
7	 EC Stripline	L10	-	0.0063	0.0201	L9	100	10.0	99.50
		-	-	0.0063	-	L11			
Comment: Loosely Coupled									
8	 EC Stripline	L10	-	0.0055	0.0065	L9	100	10.0	98.65
		-	-	0.0055	-	L11			
9	 Surface MS	L12	-	0.0110	-	L11	50	5.0	50.11
		-	-	-	-	-			
10	 EC Microstrip	L12	-	0.0100	0.0180	L11	100	10.0	99.94
		-	-	0.0100	-	-			
Comment: Loosely Coupled									
11	 EC Microstrip	L12	0.0060	0.0060	0.0050	L11	100	10.0	99.56
		-	0.0060	0.0060	-	-			