

层压叠构要求(Stack Up Requirement)

客户代码(Cust.Code): 999

编写(Prepared By): 朱云德

明阳编号(Internal P/N): GSCDFM06VNMK

审核(Approval Pending):

客户编号(Cust.P/N): 93460

QAE(QAE):

Lyr	Image	Mat.Type	Foil	Cu%	Cu Type	DK[MAT]	DF[MAT]	Mat.Info	Cal.Thk	Avg.Cu	Min.Cu
to											
TS											
TL		Foil	0.33oz	64	HTE					1.83mil	1.15mil
		Prepreg				4.23	0.015	IT-180ABS 2116 RC58%			
		Prepreg				4.23	0.015	IT-180ABS 2116 RC58%	10.16mil		
L2		Core	1oz	69	HTE	4.35	0.0147	IT-180A 2116*2	10.00mil	1.18mil	0.98mil
L3		Prepreg	10z	60	HTE	4.23	0.015	IT-180ABS 2116 RC58%		1.18mil	0.98mil
		Prepreg				4.23	0.015	IT-180ABS 2116 RC58%	9.60mil		
L4		Core	1oz	62	HTE	4.35	0.0147	IT-180A 2116*2	10.00mil	1.18mil	0.98mil
L5		Prepreg	10z	69	HTE	4.23	0.015	IT-180ABS 2116 RC58%		1.18mil	0.98mil
		Prepreg				4.23	0.015	IT-180ABS 2116 RC58%	10.16mil		
BL		Foil	0.33oz	66	HTE					1.83mil	1.15mil
BS											
bo											

Customer Requirements			Unit: mil	Calculation Result		Unit: mil
Measuring Range	Req. THK	Tolerance		Measuring Range	Cal. THK	
Incl. Plating Cu & Mask	61.84	(+ 6.18/- 6.18)		After Laminate	55.59	
				Incl. Plating Cu	58.30	
				Incl. Plating Cu & Mask	60.66	

备注(Notes): The tolerance will follow IPC-4101 Table 3-7 B/L for above dielectric thickness

阻抗控制要求(Impedance Requirement)

阻抗控制要求(Impedance Requirement)															Unit:mil	
Index 次序	Index 层别	Group 组别	Ref Layer 参考层			Customer Design 客户设计						Calculated Result 计算后值				
			Up 上	Down 下	Self 当前	Imp. Mode 阻抗模型	Target Imp. 成品阻抗Ω	Tolerance 公差Ω	Line Width 线 宽	Line Space 线 距	L 2 Cu 线2铜	Line Width 线 宽	Line Space 线 距	L 2 Cu 线2铜	Calculated 计算阻抗Ω	Remark 备注
1	L01	A		L02		 diff_coated_microstrip	90.0	±9.0	9.60	4.40	—	8.96	5.04	—	90.00	
2	L01	B		L02		 diff_coated_microstrip	100.0	±10.0	8.40	5.60	—	7.80	6.20	—	100.00	
3	L01			L02	L1	 coplanar_se_coated_microstrip	50.0	±5.0	16.70	—	15.28	16.43	—	15.41	49.99	
4	L03		L04	L02		 diff_stripline	100.0	±10.0	6.00	8.00	—	5.62	8.38	—	100.00	
5	L04		L03	L05		 diff_stripline	100.0	±10.0	6.00	8.00	—	5.62	8.38	—	100.00	
6	L06	E		L05		 diff_coated_microstrip	90.0	±9.0	9.60	4.40	—	8.96	5.04	—	90.00	
7	L06	F		L05		 diff_coated_microstrip	100.0	±10.0	8.40	5.60	—	7.80	6.20	—	100.00	

备注(Notes): L 2 Cu=line to Cu of Ground which is applied for the coplanar strips.