

FCBGAインピーダンス整合

Impedance matching

特長 Features

- 回路寸法精度のバラつき低減
High-precision pattern formation
- 高精度インピーダンス整合
High-precision impedance matching

高精度パターン形成 High-precision pattern formation

Sample structure

Layer	material	thickness	Dk
SR	SR7300G	21 μ m	3.4
Cu	—	15 μ m	—
ABF	GX92	33 μ m	3.3
Cu	—	15 μ m	—

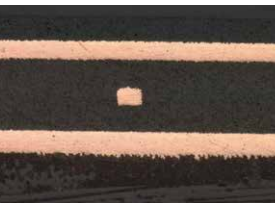
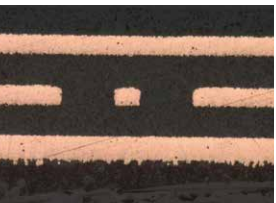
各クーポン：72サンプル測定
72 sample measurements

SR
ABF

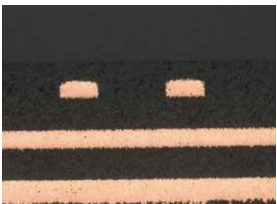
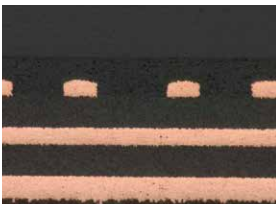
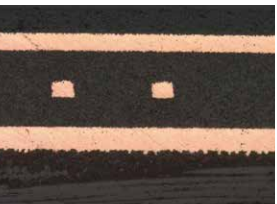
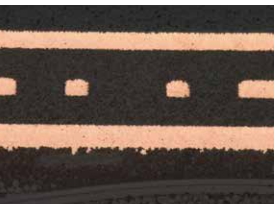
Wiring length : 40mm
Single Line : 50 Ω
Differential Line : 100 Ω

- Microstrip line (MSL)
- Strip line (SL)
- Coplanar Waveguide line (CPW)
- Grounded Coplanar Waveguide line (G-CPW)

Single Line

Structure					
Z (Ω)	σ	0.80	0.62	0.92	0.95

Differential Line

Structure					
Z (Ω)	σ	1.15	1.33	1.54	1.32

高精度パターンめっき装置、高精細パターン露光機を導入し、インピーダンスを高精度に制御致します。
Using high-precision pattern plating equipment and high-definition pattern exposure equipment, impedance is controlled with high precision.