



アルカリ現像型 PKG 用 SR AUS AZ1 (大型 IC、高信頼性パッケージ対応)

Photo-imageable Solder Resist for Large Scale and High Reliability.

特徴 Features

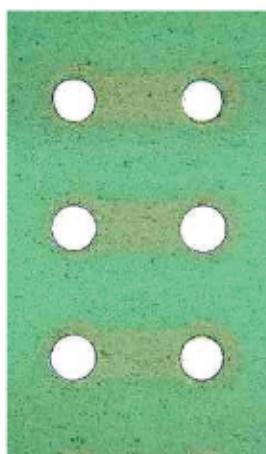
- 高クラック耐性 (Excellent Anti Crack Resistance at TST/TCT)
- 高 BHAST 特性 (Excellent BHAST Performance)
- 大型、多ピン IC に最適 (Suitable for Large Die & High I/O Count)
- フィルムタイプ (AZ1-F) もリリース予定 (Dry Film type will be available)

特性 Properties

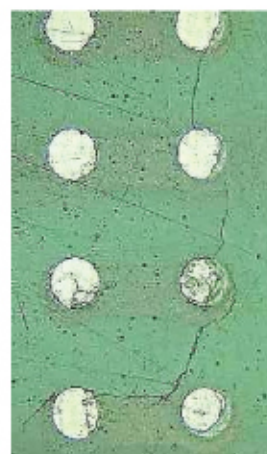
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|--|----------------|
| ガラス移転点 T_g *TMA method | 150-160 °C |
| 線膨張係数 CTE($\alpha 1$) | 35-40 ppm |
| 弾性率 Young's modulus | 3.5-4.0 GPa |
| 破壊強度 Tensile strength | 90-95 MPa |
| 破壊伸び率 Elongation | 6.0-7.0 % |
| HAST耐性 (130°C/85%RH, 5V,L/S=12/13) | 300h Pass |
| 冷熱サイクル耐性 (150°C \leftrightarrow -65°C) | 1000cycle Pass |

Crack Resistance TST 1000 cycles

AUS AZ1

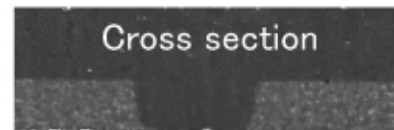


Conventional SR

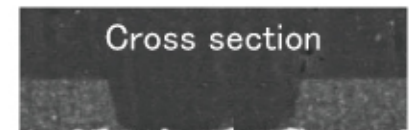


AUS AZ1 SRO

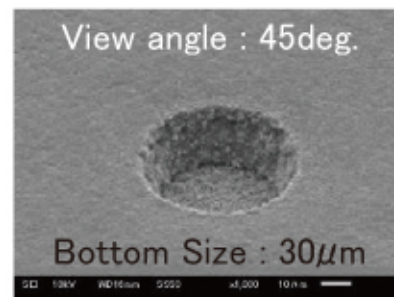
Cross section



Cross section

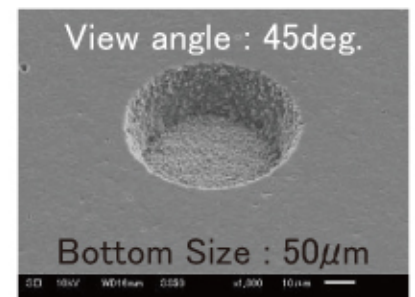


View angle : 45deg.



Bottom Size : 30μm

View angle : 45deg.



Bottom Size : 50μm