



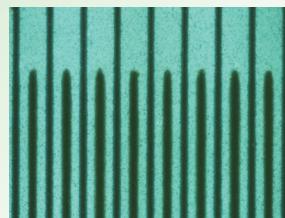
# PSR®-4000 AM Series

**高信頼性ソルダーレジスト**  
High Reliability Photoimageable Solder Resist

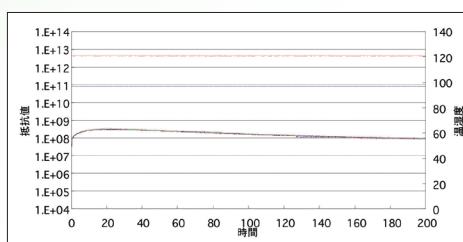
## PSR®-4000 AM100

- 優れたマイグレーション耐性と絶縁信頼性

Superior migration resistance and insulation resistance



PCBT After 200hrs (AM100)



L/S=50/50 DC30V PCBT 槽内測定 (AM100)

## PSR®-4000 AM150

- 優れた冷熱衝撃サイクル耐性と高絶縁信頼性の両立

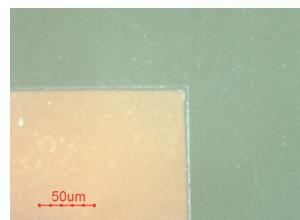
Well-balanced thermal cycle resistance and superior migration resistance

- 絶縁信頼性 (121°C 97% L/S-50/50 DC30V 150h マイグレーション無し)

Insulation resistance (121°C 97% L/S-50/50 DC30V 150h Non migration)

- 冷熱サイクル耐性 (-40°C⇒125°C 1000サイクル クラック無し)

Thermal cycle resistance (-40°C⇒125°C 1000cycles Non crack)



## PSR®-4000 開発中 (Under Development)

- 高Tg化により高温条件下にて高い信頼性を有する

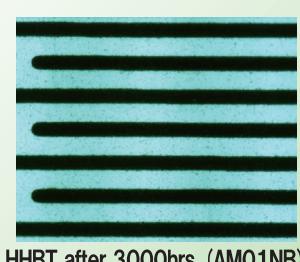
Higher reliability under high temperature with High Tg

- 高 Tg 化 (150°C以上 @TMA 目標値)

Higher Tg (Target value: Above 150°C TMA method)

- 低 CTE 化 (40ppm 以下 @TMA 目標値)

Lower CTE (Target value: Below 40ppm TMA method)



HBHT after 3000hrs (AM01NB)

## PSR®-4000 AM01NB (Screen)

## PSR®-4000 AM02SP (Spray)

- 高マイグレーション耐性

Superior migration resistance

## PSR®-4000 AM10 (Gloss, Screen)

## PSR®-4000 AM10SP (Gloss, Spray)

- 冷熱サイクル耐性

Thermal cycle resistance

## PSR®-4000 AM03TS (Semi-Matte, Screen)

## PSR®-4000 AM03TM-SP (Semi-Matte, Spray)

- 通常の前処理でも優れた錫めつき耐性

Excellent immersion tin resistance  
(with conventional (mechanical) pretreatment copper)



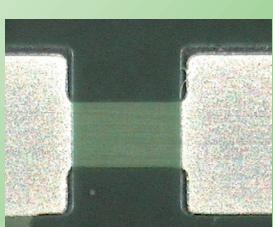
Conventional Solder Resist



PSR-4000 AM10



Conventional Solder Resist



PSR-4000 AM03 Series

