

Electronic Supplementary Information

Conductive Silver Patterns on Polyimide Substrate by using Alkali Paint Modification – Ion Exchange – Reduction (AIR) Process via low requirements mask technology

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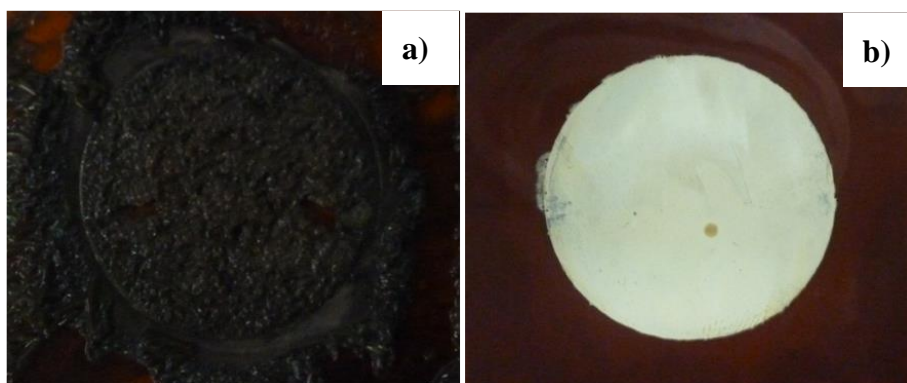


Figure S1 The comparison of the digital photograph of the circular ($\Phi 3\text{cm}$) silver pattern fabricated by the traditional ion exchange selfmetallization method and AIR method under the same condition. (a) the traditional ion exchange selfmetallization method. (b) AIR method. Note: (a) 33.3mass% KOH Aqueous solution.(the polyimide film covered by the mask was immersed in solution to finish the modification). (b) Alkali paint in Experimental Section. The preparation process of both method is the same as Experimental Section.