

# Screen-Printed Flexible Bandstop Filter on Polyethylene Terephthalate Substrate Based on Ag Nanoparticles

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Supplementary materials:

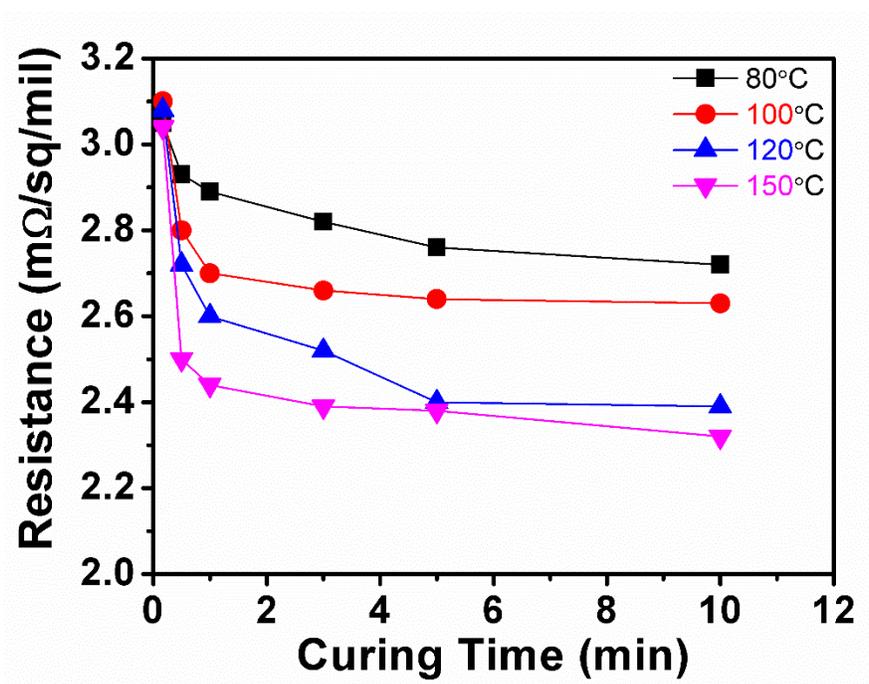


Figure S1: Curing-time-dependent sheet resistance of Ag electroplated signal line with different temperature.

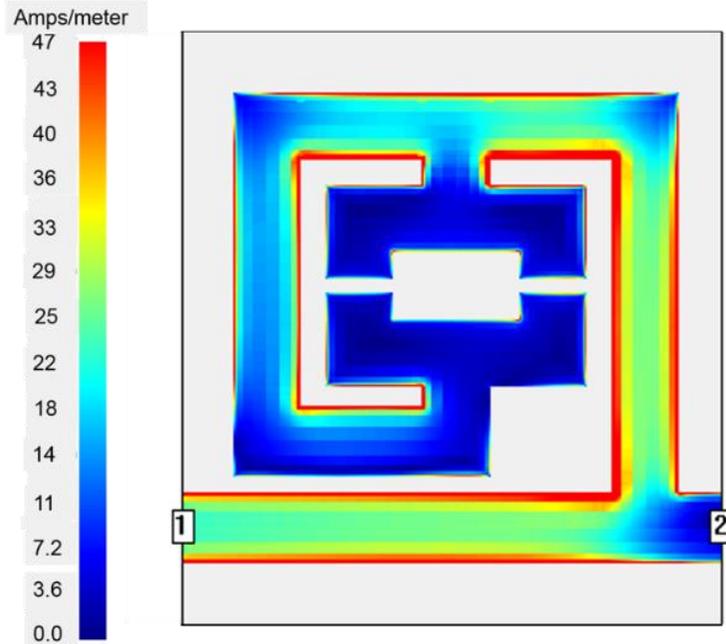


Figure S2: Current density at the resonance frequency. The red portion shows the maximum value of the current flow at the edge of the meandered-line at the high frequency of 4.35 GHz.

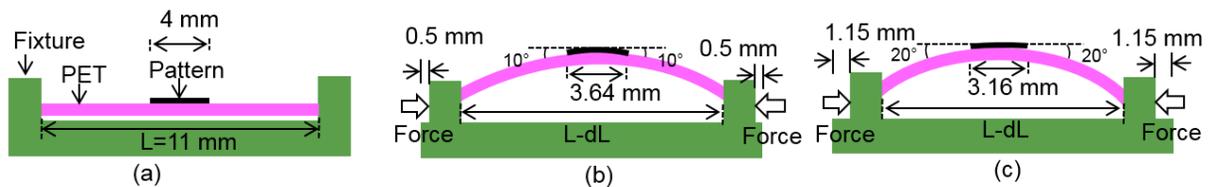


Figure S3: Schematic representation of the mechanical property of the PET substrate for a bending angle of (a)  $0^\circ$ , (b)  $10^\circ$ , and (c)  $20^\circ$ . The applied external strains ( $dL/L$ ) were calculated as 9.09% and 20.90%, respectively, where  $L$  is the initial length of the substrate and  $dL$  fractional change in horizontal length. For the applied strain of approximately 40%, the cracking in the pattern was observed.