Supplementary Information

Laser filament bottom-up growth sintering for multi-planar diffraction-limit printing and its application to ultratransparent wearable thermo-electronics

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Characterization of Bessel beam



Figure S1 Spatial intensity profile of Bessel beam using knife-edge method.

Durability of pattern fabricated by laser filament growth sintering



Figure S2 Peeling-off test of specimen fabricated in a laser power of 75 mW using scotch tape.

Laser filament growth sintering on plastic film



Figure S3 Microscopy of fabricated pattern by laser filament growth sintering on polyimide film.