Supporting information

Infrared Evanescent Wave Sensing Based on a $Ge_{10}As_{30}Se_{40}Te_{20}$ Fiber for Alcohol Detection

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As shown in Figure S1, the tapered fiber can be divided into three parts, untapered fiber, taper transition, and taper waist, whose lengths were 6 mm, 2 mm, and 30 mm, respectively. The diameter of untaper fiber was 380 μm and waist diameter (d_w) was 31 μm.

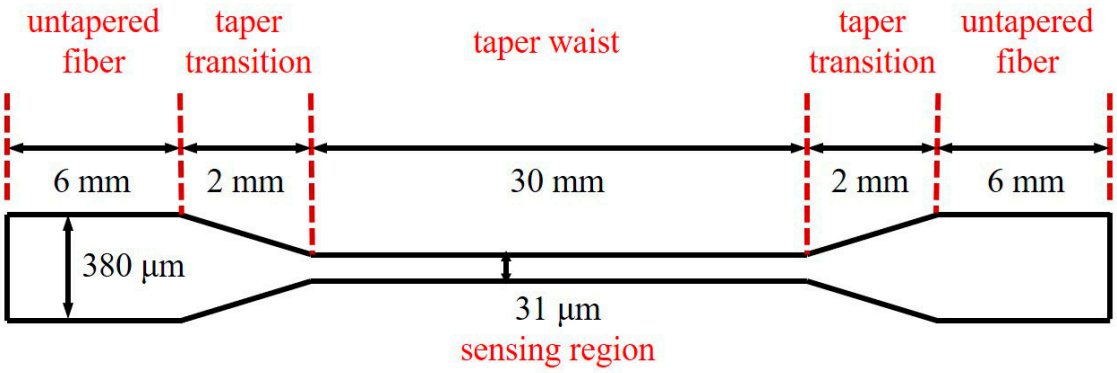

Figure S1. Geometry of the tapered fiber with d_w = 31 μm.