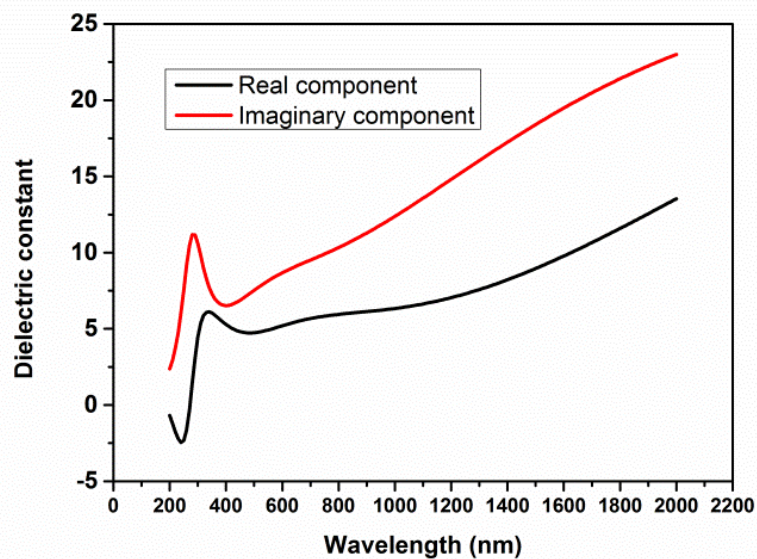
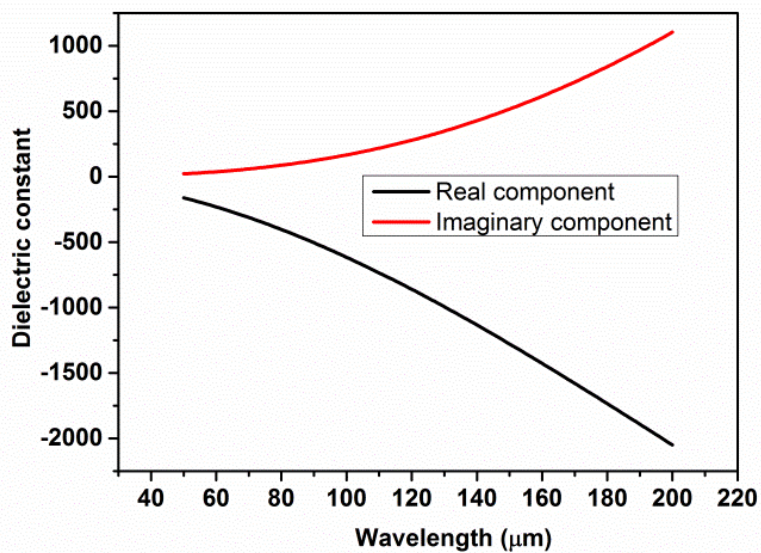


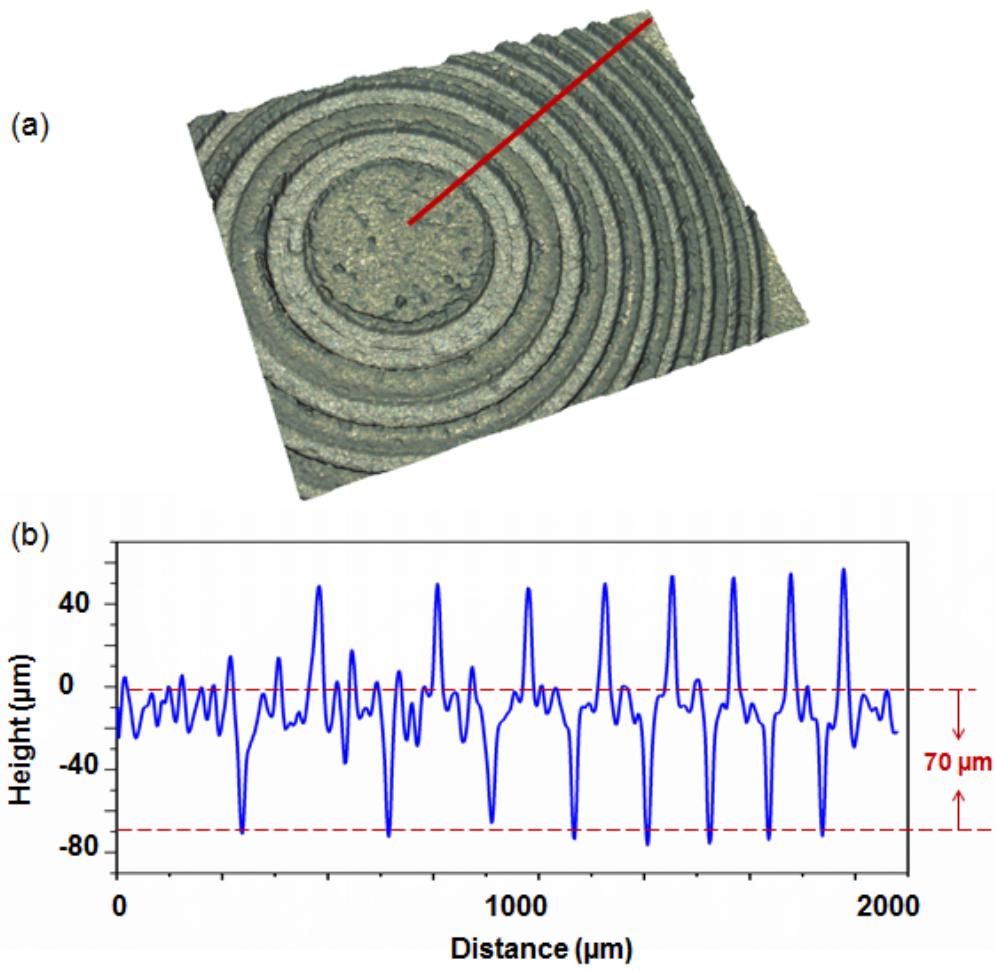
Supplementary



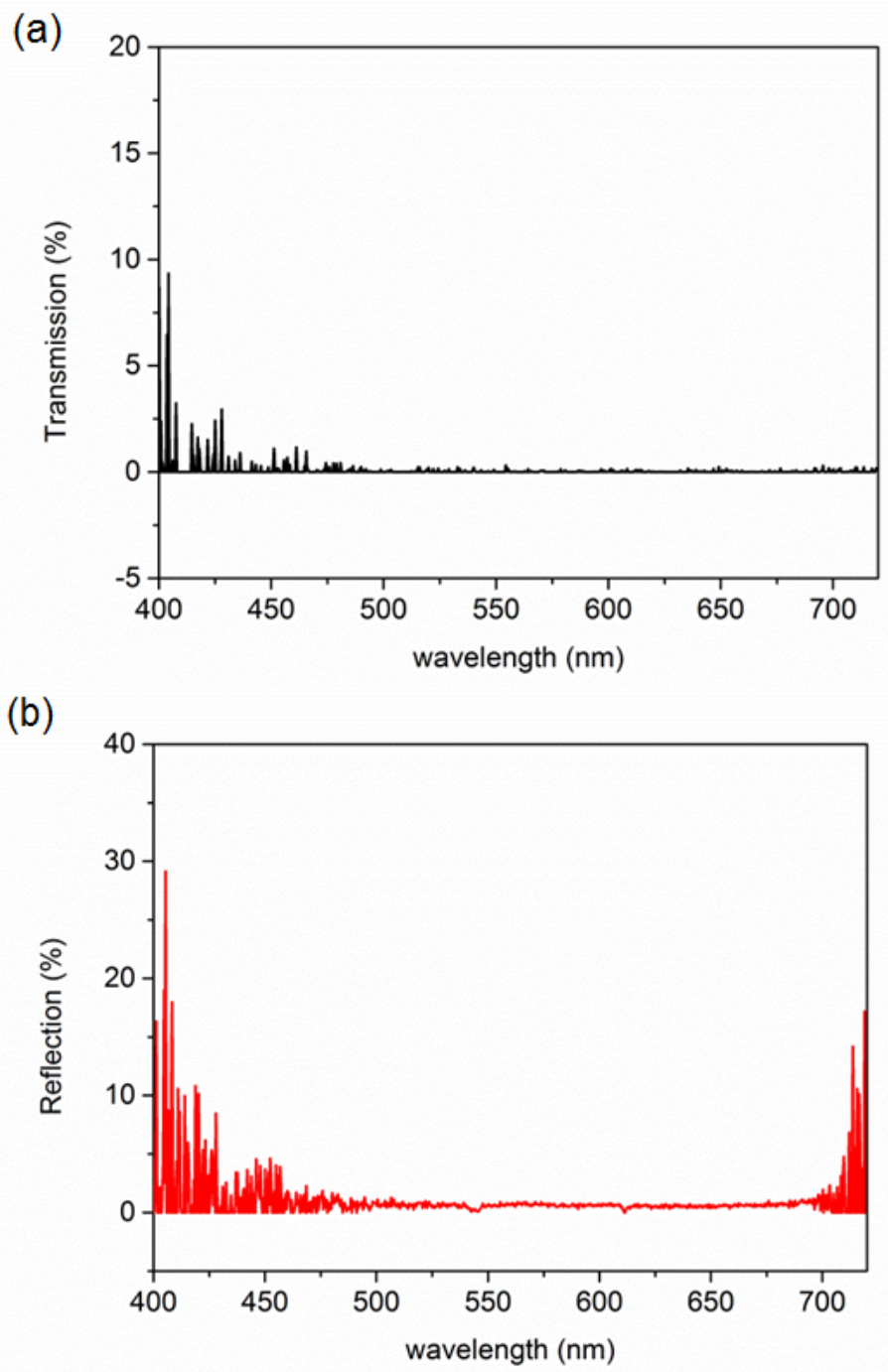
S1. Dielectric constant obtained from equation (1) in visible-near infrared regime



S2. Dielectric constant obtained from equation (2) in ThZ regime



S3. (a) 3D image of buckypaper FZP lens, which is taken by Alicona microscope, (b) Roughness along the red line in (a). The depth of the lens is near 70 μm .



S4. (a) and (b) are the transmittance and reflection of the buckypaper respectively .