


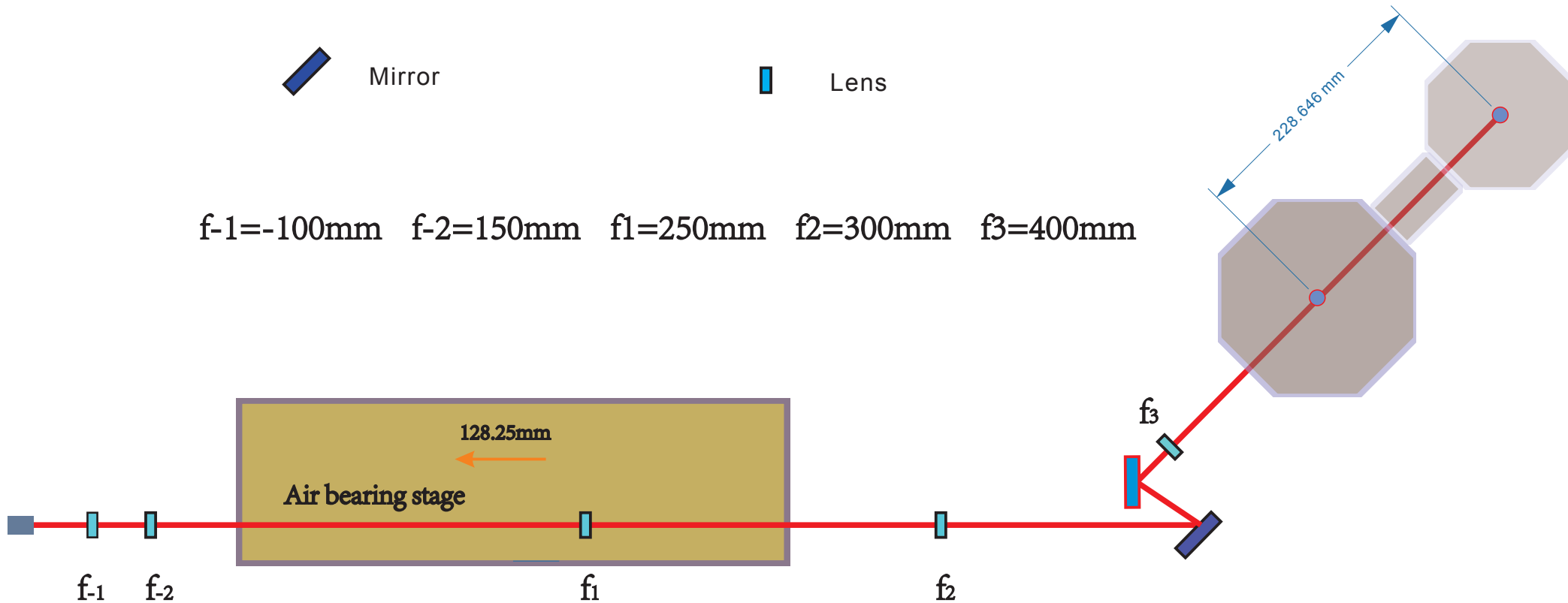
 Piezo mirror

 Collimator

 Mirror

 Lens

$f_{-1} = -100\text{mm}$ $f_{-2} = 150\text{mm}$ $f_1 = 250\text{mm}$ $f_2 = 300\text{mm}$ $f_3 = 400\text{mm}$



Initial beam waist after fiber coupler : 2.17 mm

After lens f_3 : 45 μm

Transport distance: 228.646 mm

Input 3 Watt power, the trap depth is about 143.6 μK

The angular axial trap frequency is 27.7 rad/s.(4.41 Hz).

The angular radial trap frequency is 5209.8 rad/s(829.2Hz).