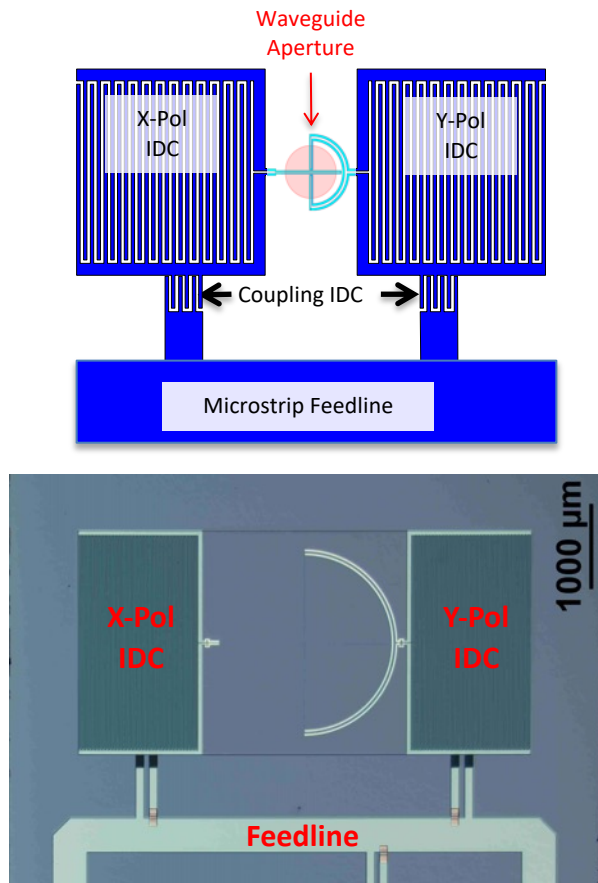
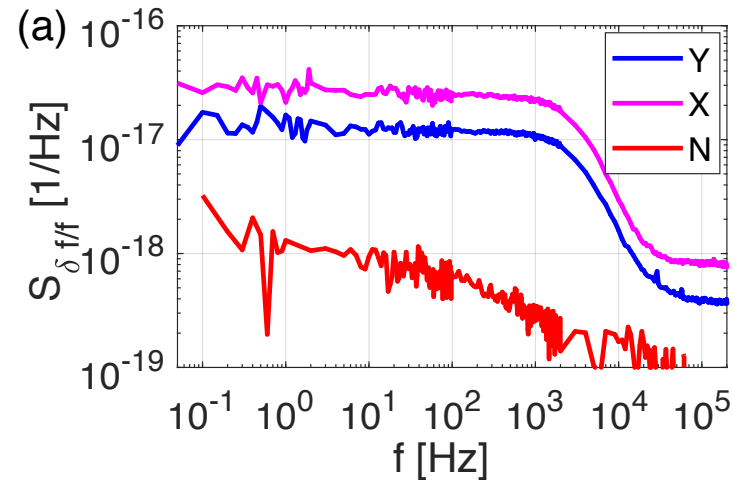


Microwave Kinetic Inductance Detectors With Negligible $1/f$ Noise

M.R. Visser et al. in prep



Photon-noise-limited sensitivity @ 50mHz



- 150 GHz band; thermal load at 7K
- No common mode subtraction has been applied
- MKID advantages for CMB-S4: simplified packaging / integration, reduced testing time, no SQUID fab production or SQUID screening
- Multichroic OMT-coupled MKIDs coming