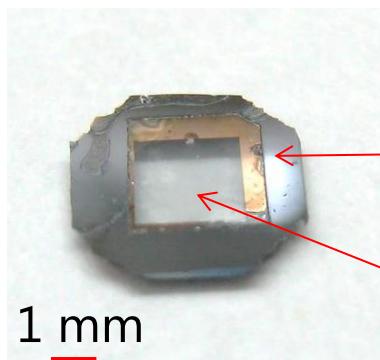


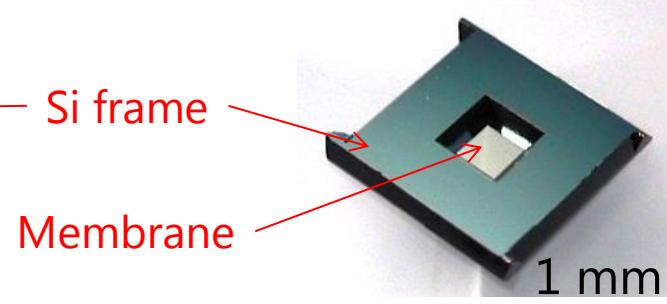
# Crystalline/Amorphous membrane

NTT-AT provide Membranes for HH source.

- **Si** mono-crystal membranes
- **Quartz** mono-crystal membranes
- **SiC** poly-crystal membranes
- **SiN** amorphous membranes



2 mm x 2 mm x 3  $\mu\text{m}$   
Quartz membrane



2 mm x 2 mm x 0.2  $\mu\text{m}$   
SiC poly-crystal membrane

Si frame (~0.6 mm)

### Options

- Surface/buck-surface metal coating
- Metal patterning

### In developing

- Compound semiconductor membrane
- Ultra-thin SiN membrane (~10 nm)