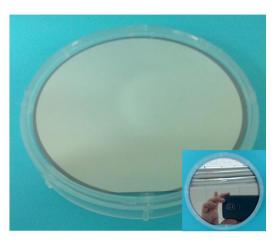
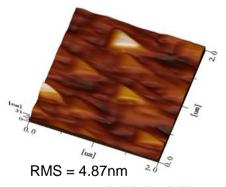
Thick Al film/Si wafer



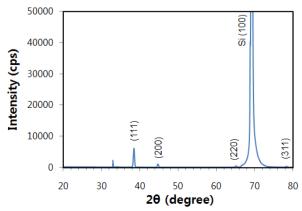
Features:

- Thick Al film (~3µm)
- Purity: 99.99%
- Deposition by e-beam evaporation
- Slow growth rate: 2Å/sec
- Low base vacuum: below 1x10⁻⁶ Torr
 No intentional heating during depo.
- Highly reflective film surface
- High conductivity

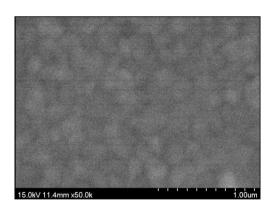
Items	Data (Typ.)
Al Film Thickness	3 μm
Film Resistivity (µohm.cm)	2.65
Film Crystallinity	Weak (111)-oriented polycrytals
RMS Roughness (nm)	< 10
Substrate	n-type,<100>Si wafer Resistivity: 1-10 Ω·cm

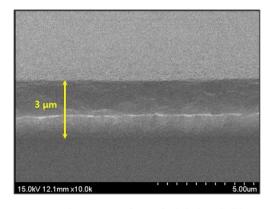


AFM Image of thick AI film



XRD spectra of thick Al film/Si wafer





SEM micrographs of thick Al film