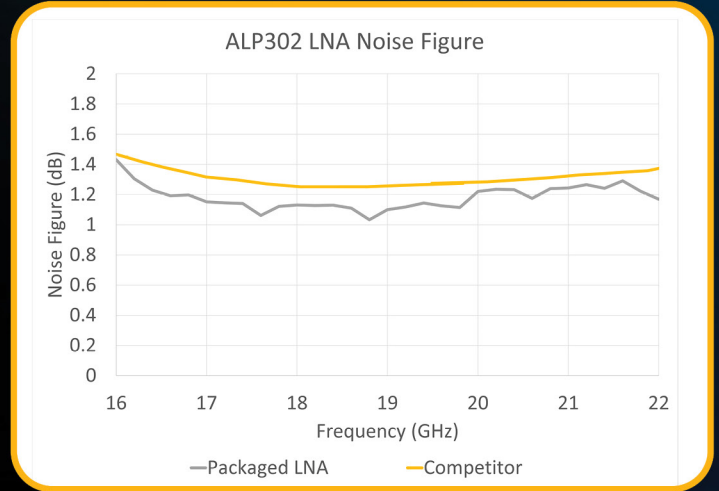
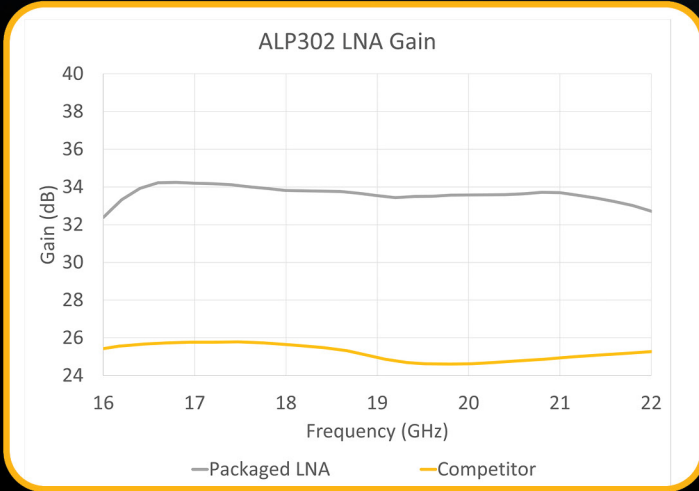
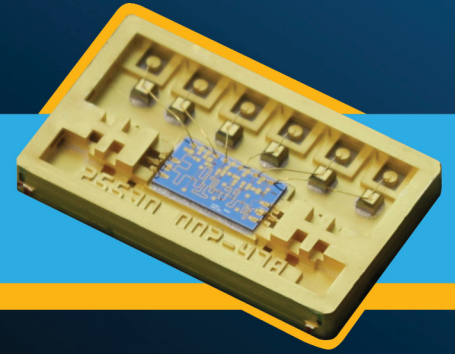


## Case Study: Surface Mount Ka-Band LNA

Performance enabled by PolyStrata mmWave Packages



The following graphs illustrate the measured performance of the Northrop Grumman ALP302 LNA packaged in our innovative PolyStrata® package (PSP1025530\_002) and mounted on a standard circuit board. We compare its performance against the leading commercially available surface mount Ka-Band LNA.

## Package Features

Ultra-Low Loss; less than 0.18 dB insertion loss from DC to 21 GHz per transition

Near-ideal thermal performance due to solid copper construction

Chip interface compatible with automated Au wire bonding

PCB interface compatible with standard SMT processes

