

## Low Noise Down-Converter and High Efficiency Up-Converter for 60 ~ 86 GHz Transmitter-Receiver

---

*N. Kanmuri, M. Akaike, H. Kato, S. Kitazume, H. Kobayashi and H. Ishihara. "Low Noise Down-Converter and High Efficiency Up-Converter for 60 ~ 86 GHz Transmitter-Receiver." 1974 S-MTT International Microwave Symposium Digest of Technical Papers 74.1 (1974 [MWSYM]): 231-234.*

Composition and characteristics of both low noise down-converter and high efficiency up-converter for transmitter-receiver in the frequency range of 60 ~ 86 GHz are described in this report.

 [Return to main document.](#)