

Abstracts

A High Performance Transceiver Chipset for Millimeter-Wave Commercial Digital Communication Systems

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A high performance Q-band monolithic HEMT transceiver chipset has been developed for millimeter-wave commercial digital radio systems. This highly compact transceiver chipset consists of low noise amplifier, power amplifier with detector, voltage controlled oscillator with buffer amplifier, mixer and harmonic mixer. The chipset has demonstrated high yield making it suitable for high volume commercial applications.

[Return to main document.](#)