



rf and mm-wave microelectronics

Specialty

Solutions for:

- ➔ Communications
 - ➔ 5G, Satcom, P2P/PMP, WiFi, NFC, etc.
- ➔ Radar sensors
 - ➔ Automotive, motion detection, industrial, etc.

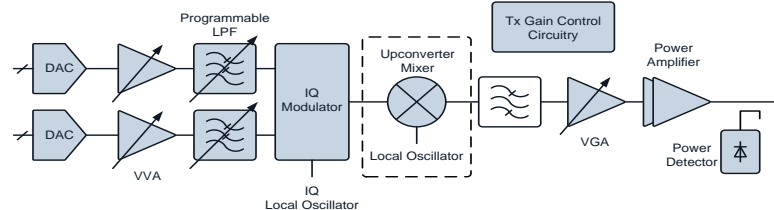
Integrated circuits:

- ➔ Analog, mixed-signal
- ➔ RF & mm-Wave
- ➔ DC to >100GHz

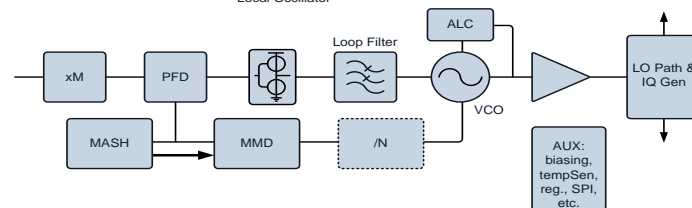
Market sectors:

- ➔ Telecom
- ➔ Automotive
- ➔ IoT
- ➔ Aerospace

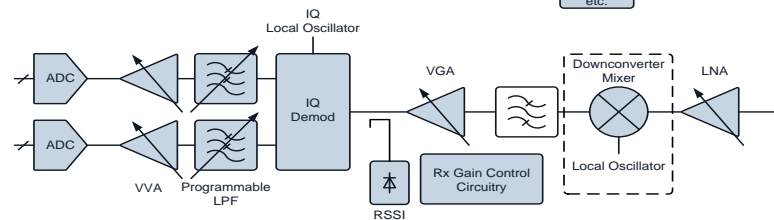
Transmitter



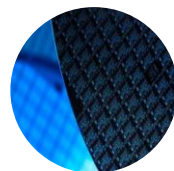
Synthesizer



Receiver



Technology nodes



CMOS

BiCMOS

0.18um, 0.13um

65nm






90nm

45nm, 28nm

22nm

Silicon IP



	Automotive	<ul style="list-style-type: none"> • RADAR
	Telecom/ Satcom	<ul style="list-style-type: none"> • P2P/PMP links • High-speed access • SOTM
	Industrial	<ul style="list-style-type: none"> • Communication • Level measurement • Proximity
	Consumer	<ul style="list-style-type: none"> • Communication • Sensing • Phased-array
	Aviation/ Satcom	<ul style="list-style-type: none"> • Beamsteering • Obstacle detection • VSAT

Performance



Low power/cost

