RF Components up to 50GHz

GaAs MMIC (available in Die, QFN or SOT)

Power Detector - Up to 40GHz, 1dB flatness and dynamic range of 30dB.

Spiral Inductors – Inductance of 5-200nH with Resonant Frequency starting at 1GHz.

Quartz Substrate Passive Components – up to 50GHz with 3dB,90°Integrated absorption resistance and insertion loss 0.6-1.2dB.

Power Amplifiers – Up to 40GHz, 34dB Gain and over 43dBm Psat.

Driver Amplifiers - Up to 40GHz, narrow and wideband, up to 24dB Gain.

Gain Block and Distributed Amplifiers – up to 40GHz wideband with P-1db up to 23dBm.

LNA – Up to 40GHz, narrow and wideband, available in Die, QFN or SOT.

Switches – Up to 20GHz, wideband SPDT, SP3T, SP4T and SPST. Isolation up to 70dB and switch speed starting at 5ns.

Digital Attenuator – up to 18GHz, insertion loss starting at -0.7dB, Attenuation up to 31.5dB and VSWR from 1.2.

Digital Phase Shifters - Up to 38GHz, 5-6 Bits, VSWR from 1.2 and phase error from 1.5 deg.

Mixer- Up to 40GHz, narrow and wideband ideal for Up or Down converter, double balanced or IQ mixer applications.

Power Divider – Up to 26GHz, wideband with insertion loss from 0.7dB and isolation up to 35dB.

Equalizer – Up to 20GHz, with Gain delta from 2dB and group delay of up to 5 pS/GHz.

Low Noise FET – Up to 8GHz wideband with 0.5dB NF, P-1 up to 18dBm and OIP3 of 33dB.

Multifunctional Chip

Multifunctional Control Device W/O Amplifier – Up to 12GHz, available in die or QFN.

Multifunctional Mixer – designed per customer requirements.

Bilateral Amplifier – designed per customer requirements.

Microwave Modules (custom units available)

Connectorized Driver Amplifiers **–** Wideband, up to 40GHz and 46dB Gain.

Connectorized Power Amplifiers – Up to 36GHz and 47.5dBm OIP3.

Connectorized Low Noise Amplifiers – Up to 18GHz, narrow or wideband with Gain up 60dB.

Custom MMICs at frequencies from DC to 50 GHz, includes:

1) Product Specifications with the customer
2) Physical Layout and Simulation for your approval.
3) Electromagnetic Analysis and Thermal Analysis for testing the design efficiency.
4) Packaging per customer requirements.
5) Measurement, Test and Product Release Support.
6) Test Fixture and Application Engineering Support (QA).

For more information - please contact us:

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