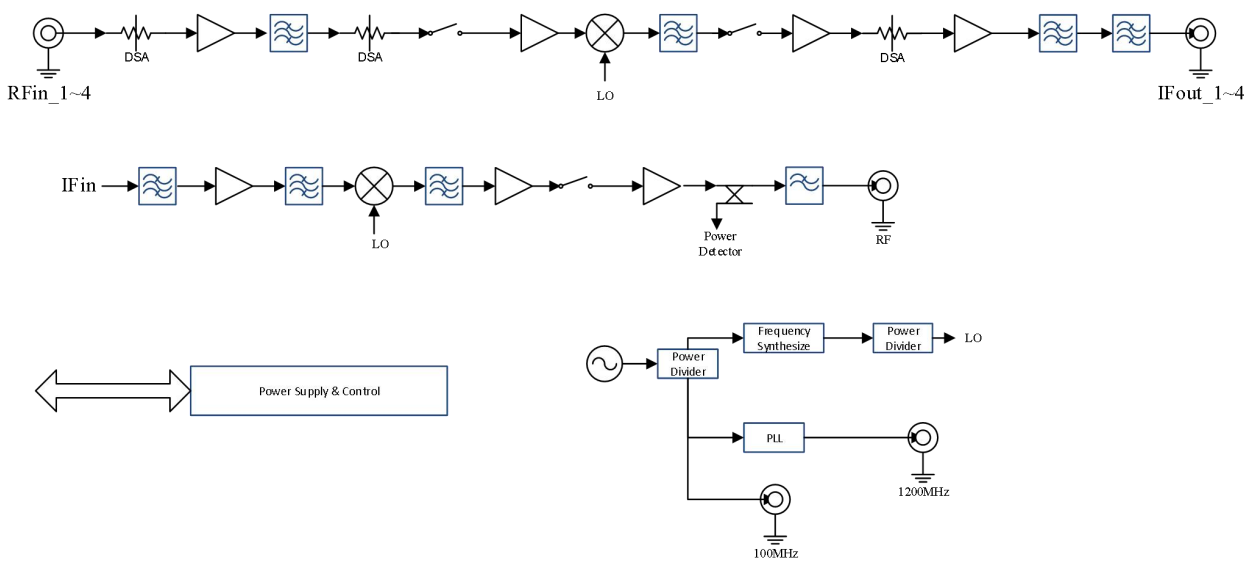


Features

This module features 1 transmit, 4 receive channels and fast frequency hopping capability. It uses a single-conversion architecture, with low-power devices throughout the entire link, offering the advantages of low power consumption and light weight.

Function Block Diagram



Specifications

Test Item			Symbol	Unit	Value
Transmit Output	Frequency Step		/	MHz	50
	Output Power		P_o	dBm	11 ± 1
	Spurious Suppression		R_{fs}	dBc	≥ 60
	Phase Noise	@1kHz	$\mathcal{L}(f)$	dBc	≤ -88
Transmit Coupled	Output Power		P_o	dBm	-10 ± 3
	Spurious Suppression		R_{fs}	dBc	≥ 60
Receive Output	Gain		G	dB	50 ± 3
	Maximum Attenuation		A	dB	≥ 90
	Spurious Suppression		R_{fs}	dBc	≥ 70
	Image Rejection		R_{in}	dBc	≥ 50
	Channel Consistency		ΔA	dB	≤ 3
	Isolation Between Receive		ISO	dB	≥ 40
	NF		NF	dB	≤ 10
	Receive P-1 Input Power (Full Attenuation State)		$P_i (1dB)$	dBm	≥ -10
	Output 1 dB Compression Point		$P_o (1dB)$	dBm	≤ 8

	Receive Phase Consistency		$\Delta \phi$	° /度	$\leq \pm 50$
Sampling Clock	Output Power		P_o	dBm	5 ± 1
	Phase Noise	@1kHz	$\mathcal{L}(f)$	dBc	≤ -115
	Spurious Suppression		R_{fs}	dBc	≤ -60
Others	Receive Channel Control		/	/	Equipped
	Monitoring and Reporting		/	/	Equipped
	Power Consumption Switching		Δt	ms	≤ 500
	Frequency Hopping Time		Δt	us	≤ 200
	Transmit/Receive Switching Time		Δt	ns	≤ 200
Power Consumption			P	W	≤ 8

Product Render

The dimensions are 150mm × 150mm × 20mm.

