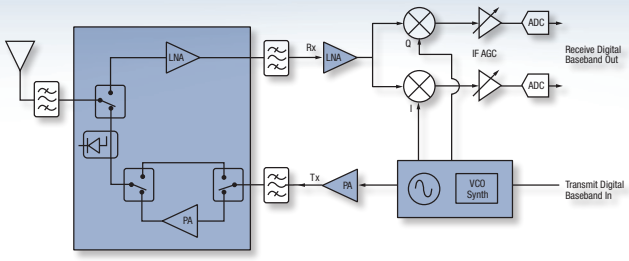
SKYWORKS®

Smart Energy Solutions

Skyworks broad product portfolio includes front-end modules, power amplifiers, low noise amplifiers, switches, synthesizers, VCOs and diodes for:

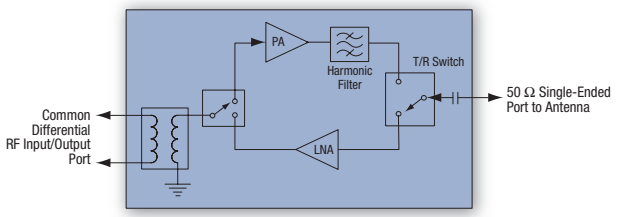
- ZigBee® (IEEE 802.15.4)
- Automated Meter Reading (AMR)
- Advanced Metering Infrastructure (AMI)
- Wireless Local Area Networks (WLAN)
- Industrial and Home Control
- Unlicensed Band Radios



Skyworks Short-Range Radio Block Diagram

Front-End Modules for Smart Energy and Industrial Applications

Skyworks FEMs allow for significant size and cost reduction and are designed for "plug and play" functionality, reducing the design time for new products. Customized FEMs can be created depending on transceiver implementation requirements. Various modules are available at 450, 915, and 2400 MHz frequency bands.



SKY65352 Front-End Module (FEM) Block Diagram

Part Number	Function	P_{Out} (dBm)	Tx Gain (dB)	I_{CC} (mA)	Frequency Band (MHz)		
					450	915	2400
SKY65338	Tx / Rx Front-End Module	27	32	315	•		
SKY65342	Tx / Rx Front-End Module	29	34	650	•		
SKY65346	Tx / Rx Front-End Module with LNA	26	35	200		•	
SKY65313	Tx / Rx Front-End Module with LNA	30.5	28	695		•	
SKY65336	Tx / Rx Front-End Module with LNA	20	17	140			•
SKY65337	Tx / Rx Front-End Module	20	17	140			•
SKY65343	Tx / Rx Front-End Module	20	19.5	105			•
SKY65344	Tx / Rx Front-End Module with LNA	20	19.5	105			•
SKY65352	Tx / Rx Front-End Module with LNA	20	19.5	110			•
SKY65348	Tx / Rx Front-End Module with LNA	27	26	380			•
SKY65296	WLAN Front-End Module	21	24	210			•

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