



RFIC System Technologies Private Limited

RFIC IP only 65nm CMOS RF Process

Blocks/ Designs	IP Name	Frequency	Process Technology	Applications
Transmitter	RFT-1007	2.4GHz	TSMC 65nm	Zigbee
Receiver	RFR-1007	2.4GHz	TSMC 65nm	Zigbee
FRONT END BLOCKS	RFF-1007	2.4GHz	TSMC 65nm	LNA, switch
	RFF-10071	2.4GHz	TSMC 65nm	LTE switch matrix
LNA	RFL-1007	2.4 GHz	TSMC 65nm	Bluetooth, Zigbee
Mixer	RFM-1007	2.4 GHz	TSMC 65nm	Bluetooth, Zigbee
POWER AMPLIFIER	RFP-1007	2.4 GHz	TSMC 65nm	Bluetooth, Zigbee
VCO	RFV-1007	6 TO 9 GHZ	TSMC 65nm	CELLULAR/WLAN
Switch	RFS-1007	DC to 4 GHz	TSMC 65nm	LTE/ cellular/WLAN
Opamp	RFO-1007	10MHz	TSMC 65nm	base band

RFIC System Technologies

401, Green Castle, ASM Road, Ulsoor, Bangalore, India-560042

Email: admin@rficdesign.com phone: 91-80-25300747 <http://www.rficdesign.com>



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RFIC IP Full LIST

Blocks/ Designs	IP Name	Frequency	Process Technology	Applications
Transmitter	RFT-1002	2.4GHz	UMC 130nm	802.11 b/g
	RFT-1004	1.8G	TSMC 130nm	DCS/PCS cellular
	RFT-1005	0.9G	TSMC 130nm	GSM cellular
	RFT-1006	2.4GHz	TSMC 65nm	Zigbee
Receiver	RFR-1002	2.4GHz	UMC 130nm	802.11 b/g
	RFR-1003	5GHz	UMC 130nm	Under progress
	RFR-1004	1.8GHz	TSMC 130nm	DCS/PCS cellular
	RFR-1005	0.9GHz	TSMC 130nm	GSM cellular
	RFR-1007	2.4GHz	TSMC 65nm	Zigbee
FRONT END BLOCKS	RFF-1001	2.4GHz	Tower 180 nm	LNA, switch, PA
	RFF-1002	2.4GHz	Tower 180nm	LTE switch matrix
	RFF-1003	900 MHz	Tower 180nm	LNA,. switch
	RFF-1007	2.4GHz	TSMC 65nm	LNA, switch, PA
	RFF-10071	2.4GHz	TSMC 65nm	LTE switch matrix
PLL	RFP-1004	0.9 to 1.9GHz	TSMC 130nm	Cellular
LNA	RFL-1002	2.4GHz	UMC 130nm	802.11 b/g
	RFL-1003	5GHz	UMC 130nm	802.11a
	RFL-1004	1.8GHz	TSMC 130nm	DCS/PCS cellular
	RFL-1005	0.9GHz	TSMC 130nm	GSM cellular
	RFL-1006	2.4 GHz	TSMC 90nm	Bluetooth, Zigbee
	RFL-1007	2.4 GHz	TSMC 65nm	Bluetooth, Zigbee
Mixer	RFM-1002	2.4GHz	UMC 130nm	802.11 b/g
	RFM-1003	5GHz	UMC 130nm	802.11a
	RFM-1004	1.8GHz	TSMC 130nm	DCS/PCS cellular
	RFM-1005	0.9GHz	TSMC 130nm	GSM cellular
	RFM-1006	2.4 GHz	TSMC 90nm	Zigbee
	RFM-1007	2.4 GHz	TSMC 65nm	Bluetooth, Zigbee

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	RFP-1006	2.4GHz	Tower 180nm	Zigbee
VCO	RFV-1004	6 TO 9 GHZ	TSMC 130nm	CELLULAR/WLAN
	RFV-1007	6 TO 9 GHZ	TSMC 65nm	CELLULAR/WLAN
Switch	RFS-1004	Dc to 4GHz	TSMC 90nm	LTE/ cellular/wlan
	RFS-1007	DC to 4 GHz	TSMC 65nm	LTE/ cellular/wlan
VOLTAGE REGULATOR				
OPAMP	RFO-1007	10MHz	TSMC 65nm	base band

Drop a mail to suchitav@rficdesign.com or alokg@rficdesign.com to know more details

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