

TEXAS INSTRUMENTS Low Power RF Solutions



Wireless Solutions

Texas Instruments

ZIGBEE® SOLUTION KITS

RoHS Compliant This product is RoHS compliant.

PRODUCT NEW

MOUSER STOCK NO.	TI Part No.	Description	Price Each
595-CC1190EMK-915	CC1190EMK-915	CC1190 Evaluation Module Kit	112.75
595-CC2520DK	CC2520DK	CC2520 Development Kit	739.08
595-CC2540DK-MINI	CC2540DK-MINI	CC2540 Development Kit	105.70
595-TRF370417EVM	TRF370417EVM	TRF370417 Evaluation Module Kit	227.76

ZIGBEE® CHIPSET

- Zigbee Complies with EN 300 220 and FCC CFR 47, Part 15
- IEEE 802.15.4 Compliant

MOUSER STOCK NO.	TI Part No.	Package	Freq. Min/Max (MHz)	Operating Volt Min/Max	Modulation Techniques	Hardware MAC Encry/Auth	Price Each			
							1	25	100	250
839-CC2420T/R-R	CC2420TRCR	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes	8.64	7.17	6.52	5.87
839-CC2430-F32	CC2430F32RTC	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes	10.20	7.35	6.12	5.31
839-CC2430-F128	CC2430F128RTC	QLP-48	2400/2483.5	2.1/3.6	DSSS	Yes	9.84	9.32	8.15	7.45
839-CC2431	CC2431RTC	QLP-48	2400	2.1/3.6	DSSS	Yes	17.61	14.93	13.78	12.64

RF ISM BAND TOOL SOLUTIONS

MOUSER STOCK NO.	TI Part No.	Description	Price Each
839-2430DK	CC2430DK	CC2430 Development Kit	614.95
839-2430EMK	CC2430EMK	CC2430 Evaluation Module Kit	112.75

IEEE802.15.4

MOUSER STOCK NO.	TI Part No.	Package	Frequency (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Integrated Bit Synchronizer	Internal RF Switch/IF Filter	Price Each			
								1	25	100	250
595-CC2520RHDT	CC2520RHDT	QFN-28	2394	2507	DSSS	Yes	Yes	5.25	4.20	3.36	2.80
595-CC2533F32RHAT	CC2533F32RHAT	VQFN-40	2394	2507	DSSS	No	No	7.72	6.40	5.82	4.95
839-CC2430-F128	CC2430F128RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	9.84	9.32	8.15	7.45
839-CC2430-F32	CC2430F32RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	10.20	7.35	6.12	5.31
839-CC2431	CC2431RTC	QFN-48	2400	2483.5	DSSS	Yes	Yes	17.61	14.93	13.78	12.64

ISM 2.4GHZ

PRODUCT NEW

MOUSER STOCK NO.	TI Part No.	Package	Current Consumption (RX) (mA)	Ram (KB)	Flash (KB)	Frequency (Min) (MHz)	Frequency (Max) (MHz)	Modulation Techniques	Price Each			
									1	25	100	250
839-CC2500	CC2500RTK	QFN-20	12.8	-	-	2400	2483	-	4.25	3.40	2.72	2.27
595-CC2540F128RHAT	CC2540F128RHAT	VQFN-40	19.6	8	128	2402	2480	GFSK	9.01	7.48	6.80	5.78
595-CC2540F256RHAT	CC2540F256RHAT	VQFN-40	19.6	8	256	2402	2480	GFSK	8.88	6.39	5.33	4.62
839-CC2511F8RSP	CC2511F8RSP	QFN-36	22	1	8	2400	2483.5	2-FSK, GFSK, MSK	6.42	5.26	4.75	4.36
839-CC2510F8RSP	CC2510F8RSP	QFN-36	22	1	8	2400	2483.5	2-FSK, GFSK, MSK	5.88	4.70	3.76	3.13
839-CC2510F16RSP	CC2510F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK	6.04	4.96	4.47	4.11
839-CC2511F16RSP	CC2511F16RSP	QFN-36	22	2	16	2400	2483.5	2-FSK, GFSK, MSK	6.75	4.86	4.05	3.51
839-CC2511F32RSP	CC2511F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK	7.00	5.04	4.20	3.64
839-CC2510F32RSP	CC2510F32RSP	QFN-36	22	4	32	2400	2483.5	2-FSK, GFSK, MSK	6.38	4.59	3.83	3.32
839-CC2400R	CC2400RSU	QFN-48	24	-	-	2400	2483	-	9.69	8.04	7.31	6.21
595-CC8520RHAT	CC8520RHAT	VQFN-40	25	-	-	2400	2483.5	-	11.39	9.45	8.59	7.30
595-CC2430ZF128RTCR	CC2430ZF128RTCR	QFN-48	27	8	128	2400	2483.5	DSSS	8.69	8.23	7.20	6.58
595-CC2591RGVR	CC2591RGVR	QFN-16	1.7-3.4	-	-	2400	2483.5	-	5.18	4.23	3.80	3.45
595-CC2591RGVT	CC2591RGVT	QFN-16	1.7-3.4	-	-	2400	2483.5	-	6.07	4.96	4.45	3.74

SUB 1-GHZ

- Complies with EN 300 220 and FCC CFR 47, Part 15

MOUSER STOCK NO.	TI Part No.	Package	Frequency (MHz)		Flash Size (KB)	Ram Size (byte)	Operating Volt Min/Max	Data Rate (Max) (Mbps)	Output Power	Price Each		
			Min.	Max.						1	25	100
839-CC1000R	CC1000PW	TSSOP-28	300	1000	-	-	2.1/3.6	76.8	Single-Ended	12.38	10.42	9.57
839-CC1000T/R-R	CC1000PWR	TSSOP-28	300	1000	-	-	2.1/3.6	76.8	Single-Ended	12.44	10.32	9.39
839-CC1010R	CC1010PAG	TQFP-64	300	1000	32	2K + 128	2.7/3.6	76.8	Single-Ended	20.86	17.55	16.12
595-CC1020RUZ	CC1020RUZ	QFN-32	402/804	470/960	-	-	2.3/3.6	153.6	Single-Ended	8.77	7.19	6.48
595-CC1020RUZR	CC1020RUZR	QFN-32	402/804	470/960	-	-	2.3/3.6	153.6	Single-Ended	7.38	5.31	4.43
839-CC1021R	CC1021RSS	QFN-32	402/804	470/960	-	-	2.1/3.6	153.6	Single-Ended	10.07	8.36	7.60
839-CC1050R	CC1050PW	TSSOP-24	300	1000	-	-	2.1/3.6	76.8	Single-Ended	7.05	5.66	5.16
839-CC1070R	CC1070RSQ	QFN-20	402/804	470/940	-	-	2.3/3.6	153.6	Single-Ended	6.50	5.22	4.75
839-CC1100	CC1100RTK	QFN-20	300/400/800	348/464/928	-	-	1.8/3.6	500	Differential	6.91	5.55	5.06
595-CC110LRTKT	CC110LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential	5.04	4.11	3.48
595-CC1101RTK	CC1101RTK	QFN-20	300/387/779	348/464/928	-	-	1.8/3.6	500	Differential	5.00	4.00	3.20
839-CC1110F8RSP	CC1110F8RSP	QFN-36	300/391/782	348/464/928	8	1	2/3.6	500	Differential	6.29	5.16	4.66
839-CC1110F16RSP	CC1110F16RSP	QFN-36	300/391/782	348/464/928	16	2	2/3.6	500	Differential	6.63	4.77	3.98
839-CC1110F32RSP	CC1110F32RSP	QFN-36	300/391/782	348/464/928	32	4	2/3.6	500	Differential	6.88	4.95	4.13
595-CC1110F32RSPR	CC1110F32RSPR	QFN-36	300/391/782	348/464/928	32	4	2/3.6	500	Differential	5.75	4.60	3.68
595-CC113LRTKT	CC113LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential	4.35	3.55	3.19
595-CC115LRTKT	CC115LRTKT	VQFN-20	300/387/779	348/464/928	-	-	1.8/3.6	600	Differential	3.11	2.40	2.17
839-CC1150	CC1150RST	QFN-16	300/400/800	348/464/928	-	-	1.8/3.6	500	Differential	3.72	3.00	2.73
595-CC1190RGVT	CC1190RGVT	QFN-16	850	950	-	-	2.0/3.7	-	Single-Ended	4.38	3.50	2.80

2.5G BAND CHIPSET

MOUSER STOCK NO.	TI Part No.	Package	Mode	Description	Price Each			
					1	25	100	250
595-TRF1121IRGZT	TRF1121IRGZT	QFN-48	FDD/HFDD, TDD	Dual PLL/VCO with IF Down-Converter	34.36	30.92	28.34	24.91
595-TRF1115IRGPT	TRF1115IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter	17.39	14.74	13.61	11.72
595-TRF1121IRGZT	TRF1121IRGZT	QFN-48	FDD/HFDD, TDD	Dual PLL/VCO with IF Up-Converter	39.24	35.31	32.37	28.45
595-TRF1122IRMT	TRF1122IRMT	QFN-32	FDD/HFDD, TDD	RF Up-Converter	18.07	15.32	14.14	12.18
595-TRF1123IRMT	TRF1123IRMT	QFN-32	FDD/HFDD, TDD	Power Amplifier Driver	15.57	13.20	12.18	10.49

3.5G BAND CHIPSET

MOUSER STOCK NO.	TI Part No.	Package	Mode	Description	Price Each			
					1	25	100	250
595-TRF1216IRGPT	TRF1216IRGPT	QFN-20	FDD/HFDD, TDD	RF Down-Converter	17.39	14.74	13.61	11.72
595-TRF1223IRMT	TRF1223IRMT	QFN-32	FDD/HFDD, TDD	Power Amplifier Driver	13.07	11.08	10.23	8.81

