

TEXAS INSTRUMENTS Low Power RF Solutions



RoHS Compliant This product is RoHS compliant.

RFID DEVELOPMENT TOOLS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Description	Tool/Software Type	Typical Read Range (cm)	Frequency (MHz)	.dll or .h Files Included	Price Each
595-CC11XLEMK-433	CC11XLEMK-433	Value Line Evaluation Modules	Evaluation	-----	433	No	113.32
595-DK-EM2-7960R	DK-EM2-7960R	Stellaris® RFID Wireless Kit	Evaluation	-----	13.56	No	99.00
595-DK-EM2-2500S	DK-EM2-2500S	Stellaris® SimpliciTI™ Wireless Kit	Evaluation	-----	2400	No	117.18
595-DK-EM2-2520Z	DK-EM2-2520Z	Stellaris® ZigBee Wireless Networking Kit	Evaluation	-----	2400	No	249.00
595-RI-K3A-001A-00	RI-K3A-001A-00	Series 2000 LF Micro RFID Evaluation Kit	Starter Kit	15	134.2	No	460.00
595-TRF371109EVM	TRF371109EVM	TRF371109 Evaluation Module	Evaluation	-----	1700	No	319.22
595-TRF372017EVM	TRF372017EVM	TRF372017 Evaluation Module	Evaluation	-----	4800	No	319.22

IQ MODULATORS



For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	I/Q Input Common-Mode Voltage (Typ)(V)	Supply Voltage	Frequency		Noise Floor (Typ.)(dBm/Hz)	P1dB (Typ.)(dBm)	Price Each			
					(Min.)(MHz)	(Max.)(MHz)			1	25	100	250
595-TRF371109RGZT	TRF371109RGZT	VQFN-48	1.5	5	300	1700	-	3	21.38	20.24	17.71	16.20
595-TRF370417IRGET	TRF370417IRGET	VQFN-24	1.7	5	50	6000	-162	12	10.40	9.84	8.61	7.88
595-TRF370333IRGET	TRF370333IRGET	VQFN-24	3.3	5	350	4000	-163	9	11.40	9.12	7.68	7.39

TRANSPONDERS

Encapsulated

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RF-HDT-DVBE-N2	RF-HDT-DVBE-N2	RFIDP	ISO 15693, ISO 18000-3	13.56	ASK, FSK	64	256	2.32	1.86	1.67	1.47
595-RI-TH1-CB1A-00	RI-TH1-CB1A-00	RFIDP	ISO 15693	13.56	- - -	64	2K	2.79	2.22	1.72	1.64

Tag-it HF-I Standard Inlays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RI-I03-114A-01	RI-I03-114A-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	256	.80	.78	.591	.436
595-RI-I16-114A-01	RI-I16-114A-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	256	.80	.78	.591	.436
595-RI-I02-114B-01	RI-I02-114B-01	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	256	.92	.76	.612	.457

Tag-it HF-I Plus Inlays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RI-I02-112A-03	RI-I02-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	2048	1.47	1.16	1.04	.912
595-RI-I03-112A-03	RI-I03-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	2048	1.20	.96	.859	.747
595-RI-I16-112A-03	RI-I16-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	2048	1.20	.96	.859	.747
595-RI-I17-112A-03	RI-I17-112A-03	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	2048	1.20	.96	.859	.747

Tag-it HF-I Pro Inlays

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Standard	Frequency (MHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RI-I02-114A-S1	RI-I02-114A-S1	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	256	1.21	.945	.858	.748
595-RI-I16-114A-S1	RI-I16-114A-S1	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	256	.98	.83	.695	.417
595-RI-I17-114A-S1	RI-I17-114A-S1	RFIDN-1	ISO 15693, ISO 18000-3	13.56MHz	ASK, FSK	64	256	.98	.766	.696	.45

READERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Sub Family	Standard	Frequency (MHz)	Output Power (mW)	Supply Voltage (Vdc)	Current Consumption (mA)	Package Size (mm)	Price Each			
										1	25	100	250
595-RI-STU-MRD1-30	RI-STU-MRD1-30	- - -	2000	HDX, FSK	0.1342	- - -	5	100	- - -	85.40	76.06	72.06	69.39
595-TRF7960RHBR	TRF7960RHBR	QFN-32	HF Readers	ISO 14443A, ISO 1444B, ISO 15693	13.56	100,200	2.7 to 5.5	10	5.15 x 5.15	7.42	6.16	5.60	4.76
595-TRF7960RHBT	TRF7960RHBT	QFN-32	HF Readers	ISO 14443A, ISO 14443B, ISO 15693, ISO 18000-3	13.56	100, 200	2.7 to 5.5	10	5.15 x 5.15	5.80	4.64	3.91	3.76
595-TRF7961RHBR	TRF7961RHBR	QFN-32	HF Readers	ISO 15693, ISO 18000-3	13.56	100, 200	2.7 to 5.5	10	5.15 x 5.15	6.82	5.57	5.00	4.20
595-TRF7961RHBT	TRF7961RHBT	QFN-32	HF Readers	ISO 15693, ISO 18000-3	13.56	100, 200	2.7 to 5.5	10	5.15 x 5.15	4.80	3.84	3.23	3.12
595-RI-R6C-001A-03	RI-R6C-001A-03	TSSOP-20	HF Readers	ISO 15693, ISO 18000-3, ISO 14443A	13.56	290	3.3 to 5.5	15	- - -	11.86	9.85	8.95	8.06

LF ANTENNAS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Inductance (uH)	Operating Temp Range (dec C)	Dimensions (mm)	Protection Class	Description	Price Each
595-RI-ANT-G01E-30	RI-ANT-G01E-30	27	-30 to 60	718 x 270 x 47	IP65	Series 2000 Antennas	240.00
595-RI-ANT-G02E-30	RI-ANT-G02E-30	27	-30 to 60	200 x 200 x 25	IP65	Series 2000 Antennas	226.66
595-RI-ANT-G04E-30	RI-ANT-G04E-30	27	-30 to 60	1018 x 518 x 47	IP65	Series 2000 Antennas	446.66
595-RI-ANT-S02C-30	RI-ANT-S02C-30	27	-30 to 70	21 x 140	IP66	Series 2000 Stick Antenna 3m cable	166.66

LF TRANSPONDERS

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Package	Protection Class	Frequency (kHz)	Transmission Principle	Programmed Read Only No. (Bits)	Programmable Memory (Bits)	Price Each			
								1	25	100	250
595-RI-TRP-R9QL-30	RI-TRP-R9QL-30	30mm Disk	IP67	134.2	FSK, HDX	64	80	6.82	5.59	5.04	4.63
595-RI-TRP-RE2B-30	RI-TRP-RE2B-30	32mm Glass	Hermetically sealed	134.2	FSK, HDX	64	80	5.13	4.18	3.76	3.42
595-RI-TRP-W4FF-30	RI-TRP-W4FF-30	Card	ISO 7810	134.2	FSK, HDX	64	80	7.25	5.22	4.35	3.77
595-RI-TRP-W9WK-20	RI-TRP-W9WK-20	Wedge	IP68	134.2	FSK, HDX	- - -	80	6.36	5.11	4.66	4.20

LF TRANSPONDER HOLDER

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	TI Part No.	Description	Price Each				
			1	25	100	250	500
595-RI-ACC-T006-00	RI-ACC-T006-00	LF Transponder Housing, Plastic Carrier for 32mm Glass Transponder	1.55	1.25	1.12	.988	.864
595-RI-ACC-SHT3-00	RI-ACC-SHT3-00	LF Transponder Silicon Sheetings 35mm (1000 per unit)	128.70	117.60	112.09	107.09	104.99

