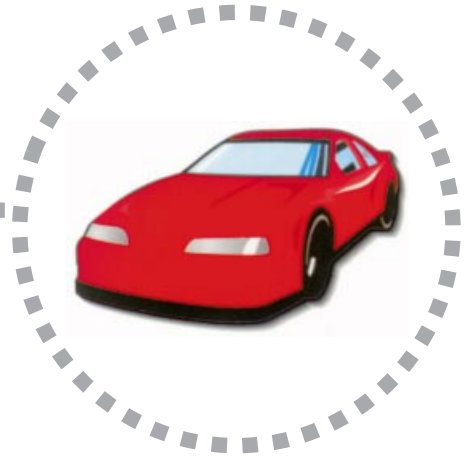



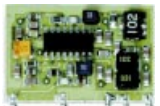












remote control and
security systems

hybrids




telecontrolli




AM Super Regenerative Receivers							
MODEL	DESCRIPTION	Vdc Is	Sensitivity	Frequency (XXX)	-3dB BW	Turn on Time	
RR1-XXX Fixed Frequency Super Regenerative Radio Receiver	Custom-specified working frequency range: 200 to 450 MHz	5V 2.5mA	-103 dBm	315 418 433.92 MHz	+/- 2 MHz	< 1.2 sec	 Dimensions: 38.1 x 12.7 mm
RR3-XXX Laser Trimmed Inductor Super Regenerative	Frequency tuning by laser trimmed coil I-ETS 300-220 Compliance FCC 15/C Compliance	5V 2.5mA	-103 dBm	315 418 433.92 MHz	+/- 2 MHz	< 1.2 sec	 Dimensions: 38.1 x 12.7 mm
RR4-XXX Cascode Input Stage Super Regenerative Radio Receiver	Frequency tuning by laser trimmed coil Low level of emitted spectrum I-ETS 300-220 Compliance	5V 2.5mA	-105 dBm	315 418 433.92 MHz	+/- 1.5 MHz	< 2 sec	 Dimensions: 38.1 x 12.7 mm
RR6-XXX Very Low Consumption Super Regenerative Radio Receiver	Frequency tuning by laser trimmed coil Very low current consumption Fast turn on time I-ETS 300-220 Compliance	5V 0.5mA	-95 dBm	315 418 433.92 MHz	+/- 1.5 MHz	< 150 msec	 Dimensions: 38.1 x 12.7 mm
RR8-XXX 3V Supply Voltage Super Regenerative Radio Receiver	Frequency tuning by laser trimmed coil Very low current consumption 3V supply voltage I-ETS 300-220 Compliance	3V 0.5mA	-90 dBm	315 418 433.92 MHz	+/- 1.5 MHz	< 150 msec	 Dimensions: 38.1 x 12.7 mm
RR10-XXX Narrow Bandwidth Super Regenerative Radio Receiver	Frequency tuning by laser trimmed coil Low current consumption Narrow bandwidth I-ETS 300-220 Compliance	5V 1.2mA	-102 dBm	315 418 433.92 MHz	+/- 1.2 MHz	< 1.2 sec	 Dimensions: 38.1 x 12.7 mm
RR11-XXX Very Low Consumption Super Regenerative Radio Receiver	Frequency tuning by laser trimmed coil Very low current consumption Fast turn on time	5V 0.3mA	-95 dBm	315 418 433.92 MHz	+/- 1.5 MHz	< 150 msec	 Dimensions: 33.02 x 12.7 mm
RR13-868 868.35 MHz Super Regenerative Radio Receiver	Frequency tuning by laser trimmed capacitor Very low current consumption	5V 0.5mA	-90 dBm	868.35 MHz	+/- 2 MHz	< 150 msec	 Dimensions: 38.1 x 12.7 mm
RR15-XXX Super Regen. Radio Receiver - Front End SAW Filter - Shielded	RX with saw front-end filter to reduce RF Bandwidth EMI immunity improved by a metal shield	5V 4.0mA	-102 dBm	433.92 MHz	+/- 250 KHz		 Dimensions: 40.64 x 19.1 mm
AM Superhet Receivers - SAW Controlled							
MODEL	DESCRIPTION	Vdc Is	Sensitivity	Frequency (XXX)	-3dB BW	Data Rate	
RRS1-XXX AM Superhet Receiver with SAW Front End Filter	Superhet data receiver with SAW front end filter SAW controlled oscillator I-ETS 300-220 Compliance	5V 3.7mA	-100 dBm	315 418 433.92 MHz	+/- 200 KHz	4.8 Kbit/s	 Dimensions: 45.7 x 19.0 mm
RRS2-XXX AM Superhet Receiver	Low cost AM superhet data receiver with LC front end filter SAW controlled oscillator	5V 3.7mA	-102 dBm	315 418 433.92 MHz	+/- 400 KHz	4.8 Kbit/s	 Dimensions: 30.5 x 20.3 mm
RRS3-XXX AM Superhet Receiver with preAmp Front End Filter	High sensitivity AM superhet data receiver. SAW controlled oscillator I-ETS 300-220 Compliance FCC 15/C Compliance	5V 5mA	-106 dBm	315 418 433.92 MHz	+/- 400 KHz	4.8 Kbit/s	 Dimensions: 38.1 x 14.5 mm

AM Radio Transmitters							
MODEL	DESCRIPTION	Vdc	Is	Frequency (XXX)	Po	Data Rate	
RT1-XXX Integrated Antenna Radio Transmitter Module	Thick Film RF transmitter module with LC oscillator and integrated antenna.	9 - 14	3	418	-10	9.6	 Dimensions: 19.0 x 7.6 mm
	Frequency tuning by antenna laser trimming process	V	mA	433.92 MHz	dBm	Kbit/s	
RT2-XXX Radio Transmitter Module with SAW Resonator	Very small thick film RF transmitter module with SAW controlled oscillator and integrated antenna.	4 - 14	3	418	-20	9.6	 Dimensions: 17.8 x 10.2 mm
	I-ETS 300-220 Compliance	V	mA	433.92 MHz	dBm	Kbit/s	
RT4-XXX Radio Transmitter Module with SAW Resonator and	Very small thick film DIL RF transmitter module with SAW controlled oscillator and external antenna.	2 - 14	4	315	+7	9.6	 Dimensions: 17.8 x 10.2 mm
	I-ETS 300-220 Compliance	V	mA	418 433.92 MHz	dBm	Kbit/s	
RT5-XXX Radio Transmitter Module with SAW Resonator and	Very small thick film SIL RF transmitter module with SAW controlled oscillator and external antenna.	2 - 14	4	315	+7	9.6	 Dimensions: 17.8 x 11.4 mm
		V	mA	418 433.92 MHz	dBm	Kbit/s	
RT6-XXX Radio Transmitter Module with SAW Resonator and	Thick film SIL RF transmitter module with SAW controlled oscillator and external antenna.	3 - 14	4	315	+7	9.6	 Dimensions: 38.1 x 12.2 mm
		V	mA	418 433.92 MHz	dBm	Kbit/s	
RT8-868 Radio Transmitter Module with SAW Resonator and	Thick film SIL RF transmitter module with SAW controlled oscillator and external antenna.	3 - 14	4	868.35	+7	9.6	 Dimensions: 35.6 x 11.4 mm
		V	mA	MHz	dBm	Kbit/s	
AM Superhet Receivers - Crystal Controlled							
MODEL	DESCRIPTION	Vdc Is	Sensitivity	Frequency (XXX)	-3dB BW	Data Rate	
RRQ1-XXX AM Superhet Receiver	AM Superhet data receiver with PLL and crystal oscillator	5V	-110	433.92			 Dimensions: 38.1 x 18.3 mm
	Available Frequency: 433.9, 868.35 MHz	5mA	-104	868.35	+/- 200	4.8	
	I-ETS 300-220 Compliance		dBm	MHz	KHz	Kbit/s	
AM Radio Transmitters - Crystal Controlled							
MODEL	DESCRIPTION	Vdc	Is	Frequency (XXX)	Po	Data Rate	
RTQ1-XXX Radio Transmitter Module with Crystal Oscillator and	Very small thick film DIL RF transmitter module with crystal oscillator and external antenna.	2.1 - 4	7	433.92	+5	9.6	 Dimensions: 20.42 x 11.43 mm
		V	mA	868.35 MHz	dBm	Kbit/s	
FM Radio Transmitters							
MODEL	DESCRIPTION	Vdc	Is	Frequency (XXX)	Po	Data Rate	
RTF2-XXX FSK Radio Transmitter Module with SAW Resonator and External Antenna	Thick film RF transmitter module with SAW controlled oscillator and integrated antenna.	3 - 14	15	315	+7	9.6	 Dimensions: 38.1 x 12.7 mm
	I-ETS 300-220 Compliance	V	mA	418 433.92 MHz	dBm	Kbit/s	
RTF3-XXX FSK Radio Transmitter Module with SAW Resonator and External Antenna	Very small thick film SIL RF transmitter module with SAW controlled oscillator and external antenna.	3 - 14	15	315	+7	9.6	 Dimensions: 22.9 x 11.4 mm
		V	mA	418 433.92 MHz	dBm	Kbit/s	

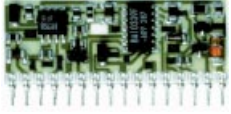

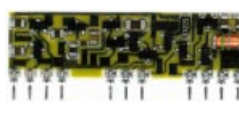
FM Superheterodyne Receivers

MODEL	DESCRIPTION	Vdc Is	Sensitivity	Frequency (XXX)	-3dB BW	Data Rate (Y)	
RRF1-XXX-Y FSK Superhet Receiver	FSK superhet data receiver with pre-Amplifier front end filter I-ETS 300-220 Compliance	5V 5.5mA	-90 dBm	315 418 433.92 MHz	+/- 400 KHz	2.4 4.8 9.6 Kbit/s	 Dimensions: 38.1 x 14.5 mm

Ultrasonic Transmitter / Receivers

MODEL	DESCRIPTION	Vdc	Is	Frequency	Gain	Out sink current	
UTR1 Ultrasonic Transmitter Receiver	Thick Film hybrid circuit that allows to realize an ultrasonic detector adding few external components.	9 - 16 V	9 mA	40 KHz	50 dB	100 mA	 Dimensions: 48.3 x 15.2 mm
UTR2 Ultrasonic Transmitter Receiver	Thick Film hybrid circuit that allows to realize an ultrasonic detector adding few external components.	9 - 16 V	15 mA	40 KHz	50 dB	20 mA	 Dimensions: 38.1 x 15.2 mm
UTR3 Ultrasonic Transmitter Receiver	Thick Film hybrid circuit that allows to realize an ultrasonic detector adding few external components.	9 - 16 5 V	2 3 mA	40 KHz	50 dB	1 mA	 Dimensions: 38.1 x 15.2 mm

Infrared Devices

MODEL	DESCRIPTION	Vdc	Is	Amplifier bandwidth	Gain	Out sink current	
PID1 Passive Infrared Detector	Thick Film hybrid circuit that allows to realize a passive infrared detector adding few external components.	9 - 16 V	5 mA	1 - 10 Hz	70 dB	20 mA	 Dimensions: 40.6 x 15.2 mm
IRT1 Infrared Pulse Transmitter	Thick Film hybrid circuit that allows to realize an infrared barrier when utilized with an infrared pulse detector (IRD1).	9 V	35 mA		pulse frequency 400 Hz		 Dimensions: 12.7 x 16.9 mm
IRD1 Infrared Pulse Detector	Thick Film hybrid circuit that allows to realize an infrared barrier when utilized with an infrared pulse transmitter (IRT1).	12 / 24 V	3 mA		pulse frequency 400 Hz	20 mA	 Dimensions: 38.1 x 10.9 mm



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