

PRODUCT TECHNICAL SPECIFICATIONS

Product	Brand	Type	File	Revision	Date
Module receiver	ERONE	SERM433A	IS-RMD433AUK	0	27/3/2002

Description	Superhererodine single conversion receiver module with PLL synthesizer. SAW input filter – High immunity – ASK modulation				
Applications	ASK communications, gate openers, wireless alarms				
Technical specifications	Parameter	Min	Typ.	Max	Unità
	Operating frequency band	433,05 – 434,790			MHz
	Carrier frequency	433,92			MHz
	Local oscillator frequency	6,6128			MHz
	Sensitivity (mod. 99% square wave 1KHz)	-112	-114	-116	dBm
	Spurious emissions	-	-	-73	dBm
	RF passband (-3 dB)	± 100	± 150	± 180	KHz
	LF passband (-3 dB)	3			KHz
	Intermediate frequency	10,7			MHz
	Demodulation	AM / ASK			
	Switch-on time		30	50	µS
	Rising time delay data slicer L -> H	-	70	-	µS
	Falling time delay data slicer H -> L	-	40	-	µS
	Input aerial impedance	-	50	-	Ω
	BAUD Rate (with -100 dBm input)		2400	4800	BAUD
	Logic "0" output level	-	0,6	-	V
	Logic "1" output level	-	4,1	-	V
	Input Power-down (Active low)		0	1,4	V
	RSSI output	1	-	3	V
	Power supply voltage	4,5	5	5,5	V
Current consumption	-	-	5	mA	
Dimensions (L x h x P)	36 x 17,75 x 8			mm	
Operating temperature	-20 ÷ +80			°C	
European Regulation compliance	EN 300 220-3 , EN 301 489-3				

Mechanical specifications		
----------------------------------	--	--

Block diagram		PIN-OUT P2 = GND P3 = Aerial P11 = GND P12 = PWD P13 = RSSI P14 = DATA P15 = VCC +5Vdc
----------------------	--	--