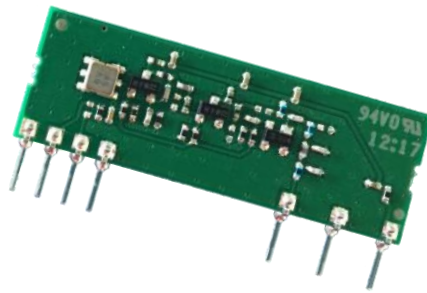


Wireless Transparent Modules Datasheet

3200I387FV3

OOK TRANSMITTER 868.3 MHz

Data Sheet



Overview

Low cost, SAW-Resonator stabilized OOK transmitter in the 868 MHz SRD Band.
Typical applications are Security Systems, Surveillance Systems, Data Transmission.

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4. Electrical characteristics

4.1 Absolute Maximum Ratings

Parameter	Max.	Unit
Supply voltage, +Vcc, pin 15:	6.0	V
Pin 3, 4 voltage level respect to GND	+Vcc	V
Storage Temperature:	-40 ÷ 100	°C
Operating Temperature:	-20 ÷ 70	°C

4.2 Operating Condition

GENERAL ELECTRICAL CHARACTERISTICS @ 25 °C

Parameter	Min.	Typ.	Max.	Unit	Notes
Supply Voltage (Vcc)	4.0	5.0	5.5	V	
DC Current Drain	-	18	-	mA	See note 1
Operating Frequency	-	868.3	-	MHz	
Occupied Bandwidth	-	-	-	kHz	
Operating Channel Width	-	-	600	kHz	
Output Power	-	-	14	dBm	See note 1,2
Output impedance	-	50	-	Ω	
Baud Rate	-	-	9600	Baud	
Input Logic Low	-0.7	-	0.4	V	
Input Logic High	0.95*Vcc	-	1.05*Vcc	V	

4.2.1 Notes:

Note 1: +Vcc = 5 V, 2.4 kHz square wave modulation 0-5 V, duty-cycle 50 %, logic “1” = 5 V.

Note 2: The output power is dependent upon logic “1” level.

4.3 Temperature Range Curves

5. Application Notes

Title	Description	Doc

6. Regulatory Approvals

Doc	Title	Description

7. Revision History

Revision	Date	Description
1.0	16.07.2018	Preliminary