

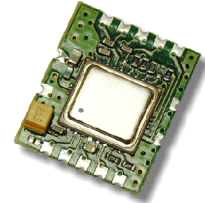


DR4100

433.92 MHz Transmitter Module

- **Designed for Short-Range Wireless Data Communications**
- **Supports up to 115.2 kbps Encoded Data Transmissions**
- **3 V, Low Current Operation plus Sleep Mode**
- **Ready to Use OEM Module**

The DR4100 transmitter module is ideal for short-range wireless data applications where robust operation, small size and low power consumption are required. The DR4100 utilizes RFM's TX5000 amplifier-sequenced hybrid (ASH) architecture to achieve this unique blend of characteristics. The transmitter includes provisions for on-off keyed (OOK) and ASK modulation. The transmitter employs SAW filtering to suppress output harmonics, facilitating compliance with ETSI 300 220 and similar regulations. The DR4100 includes the TX5000 plus all configuration components in a ready-to-use PCB assembly, excellent for prototyping and intermediate volume production runs.



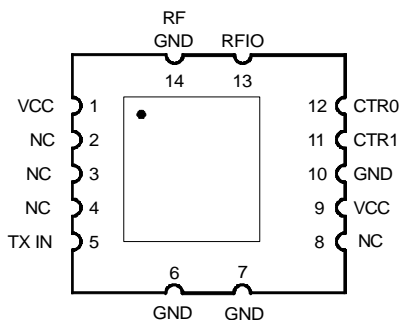
Absolute Maximum Ratings

Rating	Value	Units
Power Supply and All Input/Output Pins	-0.3 to +4.0	V
Non-Operating Case Temperature	-50 to +100	°C
Soldering Temperature (10 seconds)	230	°C

Electrical Characteristics, 2.4 kbps On-Off Keyed

Characteristic	Sym	Notes	Minimum	Typical	Maximum	Units
Operating Frequency	f_o		433.72		434.12	MHz
Data Rate	OOK				19.2	kbps
	ASK				115.2	
Transmitter Performance (OOK @ 2.4 kbps)						
Peak Input Current, 3 Vdc Supply	I_{TP}				12	mA
Peak Output Power	P_O			0.75		mW
Turn On/Turn Off Time	t_{ON}/t_{OFF}				12/6	μ s
Power Supply Voltage Range	V_{CC}		2.7		3.5	Vdc
Operating Ambient Temperature	T_A		-20		+65	°C

DR4100 Pin Out



DR4100 Outline Drawing

