TXF-2000U UHF Band 1.5 watt Transmitter

For POCSAG Paging System Applications

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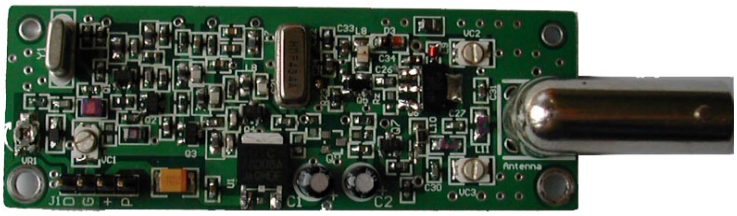
FM/FSK Transmitter Module

The TXF-2000U UHF band high power FM transmitter is an ideal design module used for Paging system, Data link system, Security System, and Remote data system, etc..



Actual size

Main Function

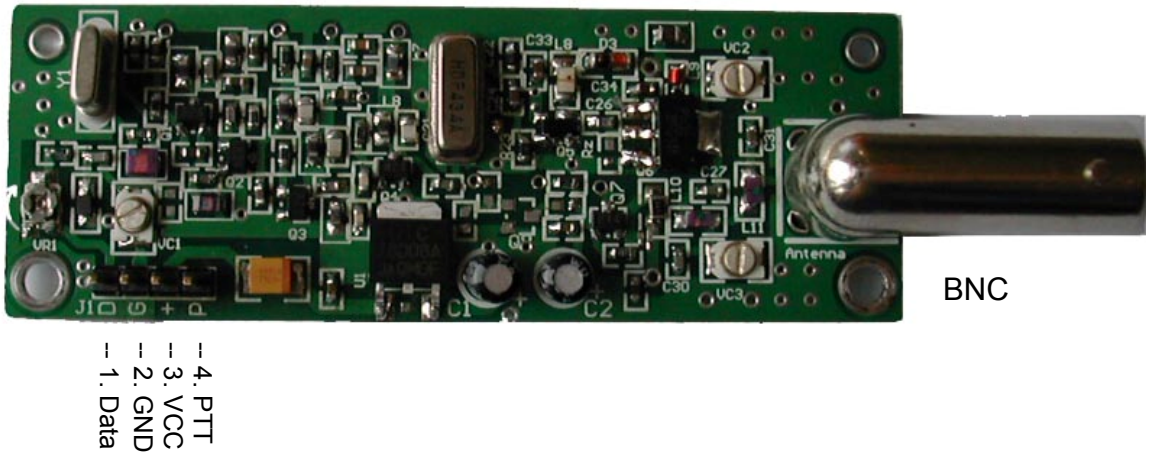
- Complete with 1 crystal and 1 SAW Filter design
- Frequency Band: 400~470MHz
- FM or direct FM modulation from 2K to 30K, typ ± 4.5K.
- Data rate up to 6.4Kbps, typ 512bps/1200bps/2400bps.
- High Power output up to 1.5 Watt
- Wide operate Volt from DC10V~24V, typ DC12V 0.5A(Max).
- Wide operate temperature from -20℃ -- +70℃
- Small size

Specification

Description	Part No: TXF-2000U
Frequency stability	10ppm at 25℃ (5ppm for option)
Operation frequency	400~470MHz 5K or 6.25K step
Data Rate	Up to 6.4Kbps by 2 level.
Modulation	±2K~30K adjustable, type ± 4.5K for narrow band FM/FSK
Channel spacing	12.5K or 25KHz
Working Voltage	DC10-24V, type DC12V
RF power output	Max 1.5W. 22% duty.
Power consumption	Standby 5mA, TX ON 450mA.(at DC12V 1.5 watt output)
Working temperature range	-20℃-+70℃.
Module Size	77mm X 27mm X 15mm.
Weight	18 grams.

Pin Description

Pin Number	Name	Description
1	Data	Data input
2	GND	System GND
3	V+	Power Supply DC V+ 10V to 24V
4	PTT	Low for TX active

Pin Lead size: 2.54mm 4 pin single

PCB Size and Pin Assignment