

UHF Narrow Band Single Channel Transmitter

CDP-TX-04S-R

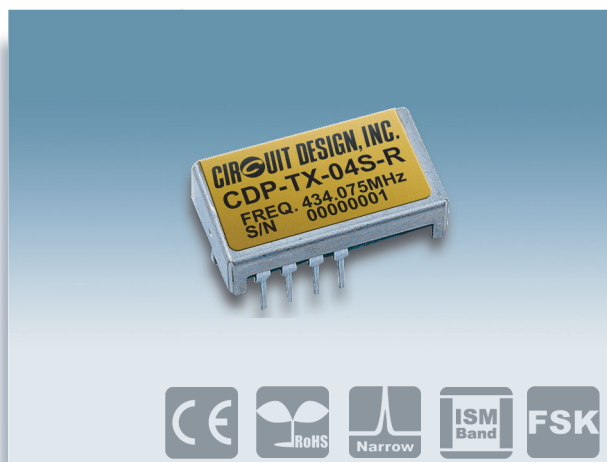
The CDP-TX-04S is a UHF FM-narrow band transmitter with PLL controlled oscillator for high frequency stability. This module utilizes advanced RF design technique and is suitable for various application fields such as wireless data communication, remote control, telemetry or wireless security systems. It is easy to use and integrate into such systems.

Feature

- Compact size 22x12x6 mm 1.6 cc
- Low voltage operation 2.2-5.5 V
- Low current consumption 22 mA
- Data rate 4,800 bps
- Fast start up time 5 ms
- R&TTE (EN 300 220) / RoHS Compliance

Application

- Remote control system
- Telemetry system
- Social alarm system
- Security system
- Paging system
- Sensor network



Specifications

Item	Specification	(All ratings at 25 degree C unless otherwise noted)
Communication form	One way	
Oscillation system	PLL controlled fix channel	
Frequency range	433.920 MHz / 434.075 MHz	* Other frequency
	869.750 MHz	
Number of channels	Single (fixed)	
Frequency stability	+/-2.5 kHz (434 MHz) +/-3 kHz (869 MHz)	(-10 to +60 degree C)
Pulse width	208 us (Min) / 20 ms (Max)	
Data rate	100 - 4,800 bps	
Operating temp. range	-10 to +60 degree C	
RF output power	10 mW (434 MHz) at 50 ohms	
	5 mW (869 MHz) at 50 ohms	
Transmitter start up time	5 ms	
Modulation	FM narrow	
Modulation polarity	Positive	
Deviation	+/- 3.0 kHz (434 MHz) +/- 3.25 kHz (869 MHz)	
Spurious emission	< -54 dBm (47M - 74M, 87.5M - 118M, 174M - 230M, 470M - 862MHz)	
	< -36 dBm (Other frequencies below 1000MHz)	
	< -30 dBm (Frequencies above 1000MHz)	
Adjacent channel power	< -37 dBm (200 nW) (4800PN code CH=25kHz)	
Supply voltage	2.2 to 5.5 V	
Supply current	22 mA 2.2V at 10 mW (434MHz)	
	22 mA 2.2V at 5 mW (869MHz)	
Dimension	22 x 12 x 6 mm	
Weight	3.4 g	

Specifications are subject to change without prior notice

* Other frequency: Please contact to Circuit Design, Inc. distributor

CIRCUIT DESIGN, INC. International Business Division

<http://www.cdt21.com/>
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