

## UHF Narrow Band Single Channel Transmitter

# CDP-TX-04S

CDP-TX-04S is low power narrow band radio module for wireless communication operating in the European 869MHz and 434MHz ISM band

It was developed for use of battery powered mobile application that requires longer operation range. The size of the module is less half of a conventional transmitter module.

### Feature

- Compact size 22x12x6mm 1.6cc
- Low voltage operation 2.2-5.5V
- Low current consumption 22mA
- Data rate 4,800bps
- Fast start up time 5msec
- EN300 220 / EN301 489 Compliance

### Application

- Remote control system
- Telemetry system
- Social alarm system
- Security alarm system
- Paging system
- Data communication



### Specifications

Item	Specification	Condition
Communication form	One way	
Oscillation system	PLL controlled fix channel	
Frequency range	433.920MHz / 434.075MHz	* Other frequency
	869.750MHz	
Number of channels	Single(fixed)	
Frequency stability	+/-2.5KHz (434MHz) +/-3KHz (868MHz)	-10 to +60 degree C
Pulse width	208us (Min) / 20ms (Max)	
Data rate	100 - 4,800bps	
Operating temp. range	-10 to +60 degree C	
RF output power	10mW (434MHz)	50ohms
	5mW (868MHz)	50ohms
Transmitter start up time	5msec	
Modulation	FM narrow	
Modulation polarity	Positive	
Deviation	+/-2.5kHz +/- 0.5 (434MHz)	
	+/-3.0kHz +/- 0.5 (868MHz)	
Spurious emission	<-50dBm (< 1GHz)	
	<-46dBm (>=1GHz)	
Adjacent channel power	<200nW	4800PN code
Supply voltage	2.2 to 5.5V	
Supply current	22mA	2.2V 10mW (434MHz)
	22mA	2.2V 5mW (868MHz)
Dimension	22mm x 12mm x 6mm	
Weight	3.4g	

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.circuitdesign.co.jp/>

7557-1 Hotaka, Hotaka-machi, Minamiazumi, Nagano 399-8303, Japan

Tel: +81-263-82-1024 Fax: +81-263-82-1016

CDP-TX-04SDS ver1.4

DS\_CDP-TX-04S\_v14e