

UHF Narrow Band Single Channel Transmitter/Receiver **CDP-TX-03S / CDP-RX-03AS**

CDP-03S is designed to cover band plan of CEPT ERC Recommendation 70-03 on Short Range Device (SRD) in the range of European harmonized band 868-870MHz.

The small size and low power consumption of the CDP-03S are suitable for various application field, such as wireless data communication, remote control, telemetry or wireless security system.

Feature

- Comply with new European 868-870MHz
- Light weight, compact integrated devices
- Low current consumption, ideal for battery operated applications
- High sensitivity 300m range
- EN 300 220 compliance

Application

- Remote control system
- Telemetry systems
- Social alarm system
- Security alarm system
- Paging system



Common

Item	Specification
Communication form	One way
Oscillation system	PLL controlled VCO
Frequency range	869.750MHz
Number of RF channels	Single (fixed)
Frequency stability	+/-3.0kHz
Baud rate	300 to 4800bps
Operating temp. range	-10 - +55 degrees C

CDP-TX-03S (Transmitter)

Transmitter type	Fixed channel
RF output power	5mW +0,-3dB at 50ohm
Transmitter start up time	10msec
Modulation	FM Narrow
Data input level	3 - 5V
Input signal	Digital
Deviation	2.7 - 3.0kHz
Spurious emission	<-56dBm (<1GHz)
Adjacent channel power	<200nW
Supply voltage	5 - 14V DC
Supply current	30mA (typ)
Dimensions	36 X 26 X 8 mm
Weight	11g

CDP-RX-03AS (Receiver)

Receiver type	Double Superheterodyne fixed channel
Sensitivity	-117dBm (12dB/SINAD at CCITT filter)
Selectivity	+/-5kHz at -6dB point
Demodulation	FM Narrow
Distortion	< 5% at 1kHz
S/N ratio	50dB overall
Data output	Digital
Supply Voltage	3.0 to 14V DC
Supply current	17mA (typ)
Dimensions	36 X 26 X 8mm
Weight	12g

Specifications are subject to change without prior notice

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CDP-TX/RX-03SDS ver1.1

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