

# **Technical Documentation**

## **Board / RF Transmitter FBTX-05-V1 xxxMHz**

For FBTX-05 (1xCS)

KH62400020.A / KH6696xxx1

Version	Date	Name	Comment
1.00	14.04.2015	ORD	Initial release documentation
1.00	06.05.2015	ORD	4.3 added
1.00	08.05.2015	ORD	4.2 corrected

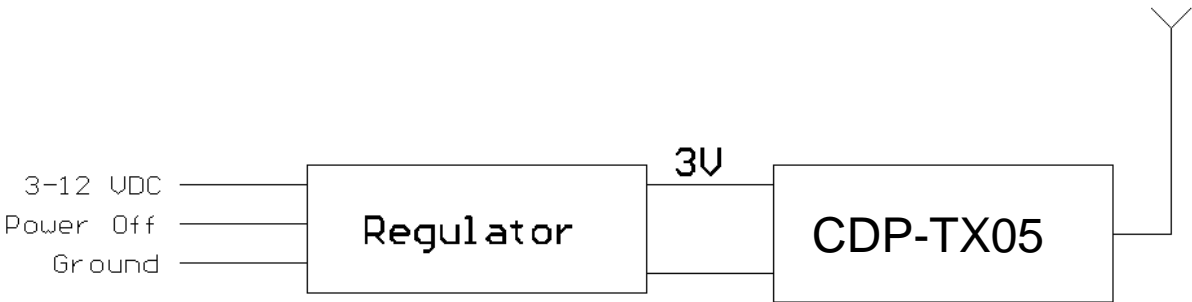
**ABITRON Control Systems GmbH**

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## 01 Description

The FBTX-05 Module is a four-channel Transmitter RF-Part, wich function is to transmit the feedback-data to the respective RF-Part.

02 Block Diagram

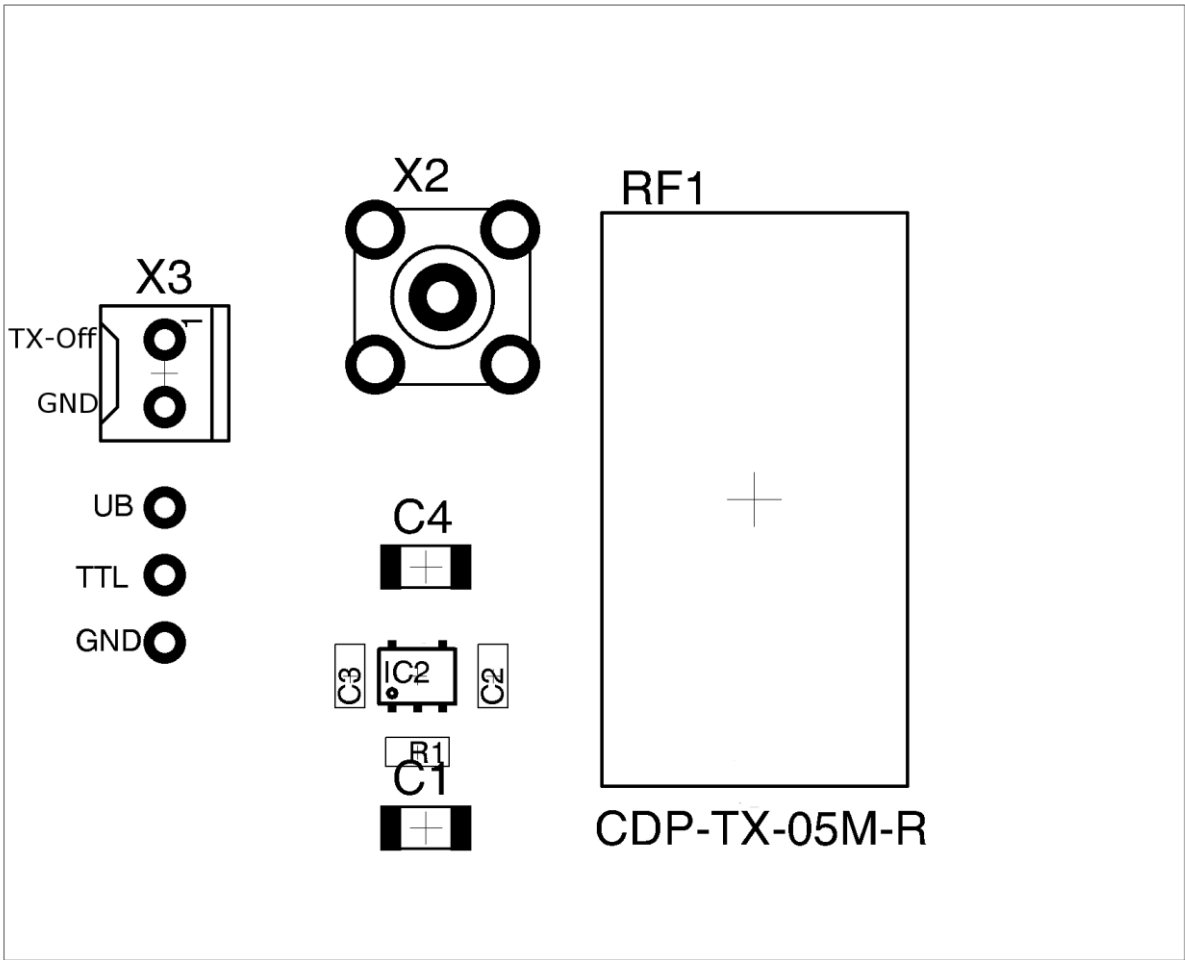


### 03 Technical Data

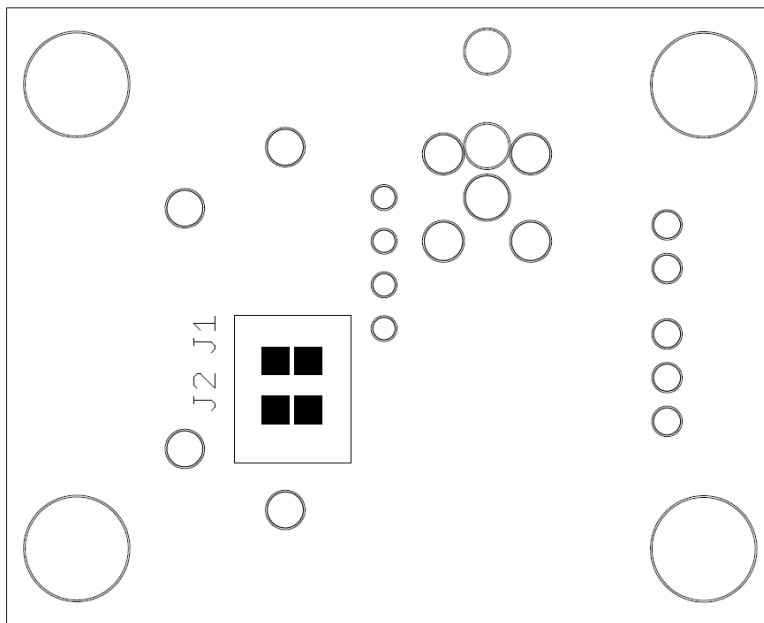
<b>Temperature range:</b>	-20° C to 65° C
<b>Supply Voltage:</b>	3,4-12 VDC (recommended 3.4-5VDC)
<b>Current drain:</b>	<20 mA
<b>Transmit Power:</b>	869MHz: 5mW 915MHz: 1mW
<b>Size:</b>	44.50x36.00mm

04 Connection Diagram

04.1 Standard Connection



## 04.2 Jumper Settings



### 04.2.1 FBTX 869MHz

JP2	JP1	Frequency
<b><u>open</u></b>	<b><u>open</u></b>	<b><u>869.7500</u></b>
open	closed	868.3000
closed	open	869.8000
closed	closed	869.9250

#### Standard Setting

Approval-Numbers		

### 04.2.2 FBTX 915MHz

JP2	JP1	Frequency
<b><u>open</u></b>	<b><u>open</u></b>	<b><u>915.5000</u></b>
open	closed	915.7000
closed	open	915.7500
closed	closed	915.8250

#### Standard Setting

Approval-Numbers		
USA	FCC-ID:	2AC8P-915FBTX-05
Canada	IC-ID:	12310A-915FBTX-05

## **04.3 Installation/Application Note**

### **04.3.1 FCC/IC Notice (FBRX 915MHz)**

If the used RF-Module has a FCC/IC approval number, the number must be visible outside on the housing.

#### **NOTICE:**

This device complies with Part 15 of the FCC Rules and with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

#### **NOTICE:**

Changes or modifications made to this equipment not expressly approved by (manufacturer name) may void the FCC authorization to operate this equipment.