HBC – Transmitter Module

TX 691

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Warnings

This device complies with part 15 of the FCC rules and with RSS-210 of Industry Canada. 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.

Caution: Any changes or modifications by the user could void the user's authority to operate the equipment!

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Technical Data

Operating temperature range: –30 ... +70 °C
Operating voltage: + 3.3 ... 5.25 V
Current consumption transmit: ca. 55 mA
Current consumption stand-by: ca. 27 mA
Current consumption off: <50 µA

Frequency range: 902.025 ... 927.575 MHz

Channel pattern: 25 kHz
Frequency deviation: +/– 5 kHz
Modulation type: 25K0F2D

Maximum field strength: 50 mV/m @ 3 m

Switch-over time (stand-by - transmit): < 3 ms

Data rate: 4762 Baud

Modulation: AFSK

LF transmission bandwidth: 150 Hz ... 4.8 kHz