



360 Herndon Parkway
Suite 1400
Herndon, VA 20170
<http://www.rheintech.com>

COMPANY: AeroComm, Inc.
FCC ID: PJ6-5075TX-F90
MODEL: 5075TX-F
WORK ORDER: 2001007 / QRTL00-1020 {REV-1}

APPENDIX C: PRODUCT DESCRIPTION

Applications

The *AeroComm Miniature UHF Transmitter, Model 50757TX-F* is a frequency agile transmitter suitable for fixed, portable, and airborne applications. It operates in the 860 – 960 MHz frequency band. When used in conjunction with *AeroComm UHF Receiver Model 50757RX*, the transmitter creates a versatile communications link. This compact transmitter, when put into a weatherproof housing, can operate under the most adverse conditions.

This transmitter can be used in Multiple Address Systems where remote data can be sent to a central point over long distances.

Specifications

Frequency Range	860-960 MHz	+5 VDC Line	17 mA _{continuous}
FCC Acceptance	Part 15 & Part 90 (pending)	+12 VDC Line	25 mA _{continuous} / 170 mA _{transmit}
Channel Spacing	25 kHz / 12.5 kHz (selectable)	Transmit Key Line	< 1mA @ 5 VDC
Number of Channels	4000 @ 25 kHz / 8000 @ 12.5 kHz	Continuous Transmission	YES
RF Power Out	100 mW (Part 90) / 1 mW (Part 15)	Key Time to Data Recovery	1.6 ms
Modulation	± 5 kHz (adjustable)	Reverse Polarity Protection	YES
Data Rate	up to 9600 bps	Temperature Range	-30 to +60 C
Frequency Stability	2 ppm	Size	4.85" x 2.2" x 0.6"
Spurious Output	< -40 dBm	Weight	4.45 oz.
Output Return Loss	> 15 dB	Connectors	RF Out SMB Male
Load VSWR	∞ no damage	+5V, +12V, KEY	1000 pf feed-thru cap
		Data	100 pf feed-thru cap

Ordering Options

Power output	Option #
1mW	W0 (Part 15)
100mW	(Part 90)