The Specification of UZI-TDD 260M-360M UL/DL PA 10W

Features:

1. Broad Sub-1GHz Frequency Coverage
2. Superior Signal Performance & Isolation
3. Reliable Power & Thermal Protection
4. Compact Design & Dedicated Interfaces
5. Simplified Operation

Technical Specification:

Product Name:

1. UZI-TDD-260M~360M-10W-117-28V

Cautions:

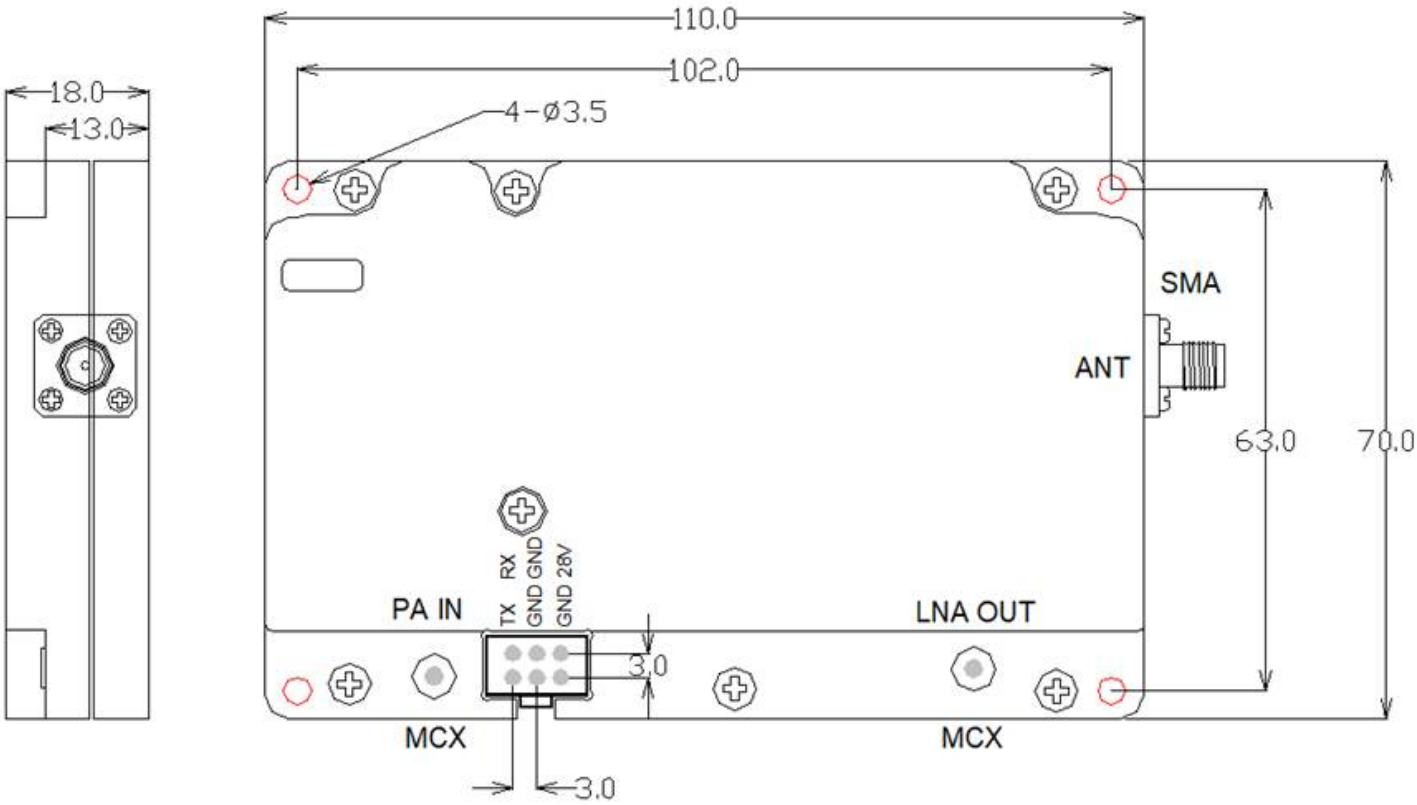
1. TDD 10M signal; tested with a Peak-to-Average Power Ratio (PAPR) of 8dB
2. For ad-hoc network use
3. Uplink with added filtering
4. Over-temperature protection: Controlled by hardware with fixed thresholds – over-temperature shutdown at +85°C, restart at 65°C.

Items:	Uplink (UL) & Downlink (UL) Specifications:
Frequency Range:	1. UL:260MHz -360MHz 2. DL:260MHz -360MHz

Max Gain:	1. UL:10±2dB 2. DL:45±2dB
Maximum Output Power:	1. UL:Uncontrolled 2. DL:40±1dBm
Maximum Input Level:	1. UL:NONE 2. DL:-4dBm
Gain Adjustment Range:	1. UL:NONE 2. DL:NONE
ALC Range:	1. UL:NONE 2. DL:Uncontrolled
In-Band Ripple:	⩽4dB
Noise Figure:	1. UL:⩽3dB 2. DL:NONE
Tx-Rx Isolation:	⩾55dBc
EVM:	⩽5% (Peak-to-Average Power Ratio 8.0dB)
VSWR:	⩽1.4 (Test condition: power on for testing after turning off the uplink power amplifier.)
Operating Voltage:	28V
Operating Current:	⩽3.2A
Working Temperature:	-40～+55°C
Over-Temperature Protection:	Alarm and shutdown at +85°C, resume operation at 65°C
Monitoring Functions:	NONE
Transmit-Receive Wire Control Interface:	CMOS 3.3V
Connectors:	3 connectors in total: PAIN/LNA OUT (MCX connector); ANT (SMA connector)
Mechanical Dimensions:	110*70*18

Dimensional Drawing:

- RX:LNA (uplink) switch, CMOS 3.3V high level turns it on, low level turns it off.
- TX: PA (downlink) switch, CMOS 3.3V high level turns it on, low level turns it off.



Sample:


ANT
PA IN
TX
RX
GND
GND
GND
28V
LNA OUT