

PRODUCT FEATURES

- Small Form Factor (218 x 85 x 25mm)
- TX/RX functionality
- Linear output power
- Low noise
- Bandpass filtering

TYPICAL APPLICATIONS

- Ground to Air Link
- Air to Ground Link

ELECTRICAL CHARACTERISTICS TC = +25 °C, 39.5 VDC, 50 Ω System (unless otherwise noted)

PARAMETER	MIN	TYP	MAX	UNITS
Operating Frequency Range	4.8		5	GHz
TX Linear Output Power		41		dBm
TX Power-Added Efficiency @ 41dBm	12.5	15		%
TX DC Current consumption @ 41dBm	1.8	2		A
TX Gain @ 41 dBm		50		dB
TX Gain Flatness @ 41dBm		±1.5		dB
RX Gain		30		dB
RX Gain flatness		±2		dB
RX Noise Figure		4	4.5	dB
Harmonic Emissions at 41dBm (Bandpass filter)			-40	dBc
Non-Harmonic Spurious Emissions			-60	dBc
DC Supply Voltage (LPA)			39.5	V
DC Supply Voltage (LNA)			5.5	V
Mute / Enable Mode Switching Characteristics:				
tENABLE, tMUTE (50% CTRL to 10/90% RF)		500		ns
TX Disable power consumption @ 39.5V		6	8	W
Power monitor voltage @ 41dBm		800	700	mV
TX / RX protection			8.0:1	VSWR
Dimensions (LxWxD)		218 x 85 x 25		mm
RF connectors		MMCX and N-Type		
Weight		1		kg

ESD PRECAUTIONS

Although this product contains circuitry to protect it from damage due to ESD, when handling this product observe the same precautions as with any other ESD-sensitive device.

**RoHS COMPLIANCE**

RoHS compliant parts and processes are used in the manufacture of this product.

**QUALITY**

This product is designed and manufactured in the United Kingdom in accordance with the ISO 9001:2008 Quality Management System.