

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 9001:2015 Quality Management System.