

## TZ1226 Ku-band Mini-BUC

### Key Features:

- Very Compact Outline
- High Reliability
- Bi-colour status LED
- IP67 water protection

### Models:

- 2W standard-Ku TZ1226



(2W extended Ku Model shown)

- Constant Gain VSAT BUC
- Extended Band Ku 12.75 GHz-13.25 GHz
- Low Phase Noise Local Oscillator
- Output Receive Reject Filtering
- Very Compact Rugged Housing with High Thermal Margin
- Mounting & O-ring Hardware Included
- EN 301428 & FCC 47 CFR 15/25 compliant up to 2.4m Antenna
- CE & RED Compliant
- RoHS-2 Compliant



## SPECIFICATIONS

### TZ1226 Ku-Band VSAT BUC

#### Block Up Converter with External Reference

Parameter	Minimum	Typical	Maximum	Unit	Note	
IF Input Frequency Range	950		1450	MHz		
RF Output Frequency Range	12.75		13.25	GHz		
Local Oscillator Frequency		11.80		GHz		
Local Oscillator Integrated Phase Noise, 100 Hz - 1 MHz		1.0	2.0	deg	DSB RMS phase jitter	
Local Oscillator Reference Frequency		10		MHz	sine wave	
RF Output Power	P1dB	32.0		dBm	over all operational conditions	
RF Output ACPR @ P1dB		22		dBc		
RF Output Spurious Level	compliant with EN 301 428 and FCC 47 CFR Part 15/25 with 29-25 log $\theta$ antennas up to 2.4m aperture					
RF Output Noise Density	12.75 - 13.25 GHz		-90	dBm/Hz		
Conversion Gain		51	54	57	dBm	over all, operational conditions, & lifetime
IF Input Impedance			75		Ohm	
IF Input Return Loss		10			dB	
Supply Voltage		13		28	V	Negative ground
Supply Current @ 24 V	P1dB			1	A	
Power Consumption				tbd	W	at 24 V
IF Input Connector		female F-receptacle				
RF Output Connector		WR75 flange, grooved				mounting hardware kit is included in package

#### General Specifications

Parameter	Minimum	Typical	Maximum	Unit	Note
Weight		480		g	
Operating Temperature	-40		+55	°C	
Moisture/Humidity Protection		IP67			