

**Complete VSAT Dual Band RF Outdoor Unit Solution in a Single Box**  
**Both Extended and Regular Ku-bands covered**

**Key Features**

- Integrated BUC, LNB & OMT/TRF
- Fixed linear polarization TX/RX
- Compact size and lightweight
- High-Performance Feed Horn
- Bi-colour status LED
- IP67 Environmental Protection
- One TRCVR works in both bands

**Options**

- BUC: Covers both Standard (14.00 - 14.50 GHz) and Extended bands (13.75 - 14.5 GHz) with C7700+ type modems
- BUC: Constant Gain type with Low Phase Noise Local Oscillator and External 10 MHz Reference
- LNB : Full range (10.70 - 12.75 GHz) Dual-band PLL type
- Compact, Durable Housing with High Thermal Margin
- High Performance Feed Horn pre-fitted
- EN 301428 & FCC 47 CFR15/25 compliant with 98cm & 1.2 m SpaceBridge Antennas, respectively, Models SBAF098U and SBAF120U
- CE & RED Compliant
- RoHS-2 Compliant



FEED HORN					
Parameter	Minimum	Typical	Maximum	Unit	Note
Type	Long Focal Length (LFL) type				
Design f/D	0.8				
Polarization	Linear, Fixed X-polar				Adjustable
Cross Polarization Discrimination (XPD)	35		dB		
LNB					
Parameter	Minimum	Typical	Maximum	Unit	Note
RF Input Frequency Range	10.70		11.70	GHz	Low band
	11.70		12.75	GHz	High band
Local Oscillator Frequency	9.75			GHz	Low band
	10.60			GHz	High band
LO Oscillator Frequency Stability			+/- 5	ppm	PLL, Internal Reference
IF Output Frequency Range	950	1950		MHz	Low band
	1100	2150		MHz	High band
Noise Figure	0.9		1.0	dB	TX On
Conversion Gain	50	56	62	dB	
Band Switch Command	22 kHz tone (DiSEqC)				
Supply Voltage	10.0	26		VDC	
Supply Current			100	mA	
BUC					
Parameter	Minimum	Typical	Maximum	Unit	Note
IF Input Frequency Range	950	1700		MHz	
Local Oscillator Frequency	12.80		GHz		
RF Output Frequency	13.75	14.50		GHz	
LO Oscillator Phase Noise, integrated	1.0		2.0	100 Hz - 1MHz	
LO Oscillator Reference Frequency	1.0		MHz		
Operational Output Power	3.0		W at P1dB		
Conversion Gain	52	55	58	dB	
Supply Voltage	12	30		VDC	
Supply Current at P1dB	0.9		1.0	A	at 24V
General					
Parameter	Minimum	Typical	Maximum	Unit	Note
Operational Temperature	-40	+60		°C	
Dust/Moisture/Water protection	IP67				100% tested
Connectors	F-type (Receptacle)				75 Ohm
Dimensions without Feed Horn	159 x 96.20 x 52			mm	
Weight with Feed Horn			1.6	kg	