


X BAND



7.90-8.40 GHz



25/50 WATT



GUARANTEED
2 YEARS
GUARANTEED

BUC 25/50 X
X BAND BLOCK-UP-CONVERTER

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Technical Specification

RF Specifications	Output (Ghz)	Input (Ghz)	Low (Ghz)
Standard	7.90 to 8.40	950 to 1450	6.95 (*) (*) switchable
Output Power	44 dBm (25 W), 47 dBm (50W)		
Small Signal Gain	65 dB Min		
Gain Flatness	±2.0 dB Max		
Gain Variations	±1.5 dB over the operating temperature range		
Inter modulation	-30 dBc @ Relative to combine power of two carriers at 6 dB total power backoff from Rated Output power		
O/P spurious	< -50 dB Max		
Phase Noise 100 Hz	< -60 dBc/Hz		
Phase Noise 1 KHz	< -75 dBc/Hz		
Phase Noise 10 KHz	< -85 dBc/Hz		
Phase Noise 100 KHz	< -95 dBc/Hz > 100 kHz		
Input Return Loss	> -15 dB		

DC Power

Prime Power	110-220 AC (90-240 V nominal) 50-60 Hz
Power Consumption	200W (25W), 300W (50W)

Interfaces

IF Input Interface	50/75 ohm – N/F type
Output Interface	WR 112

External Reference

Frequency	10 MHz sine wave
Ref 10 MHz Input Level	-5 dBm to +5 dBm @ 50 ohm
External reference phase noise requirement @ frequency offset	
10 Hz	-120 dBc/Hz
10 KHz	-150 dBc/Hz
Ref stability	±1x 10E-7 (minum requirement)

Monitor & Control

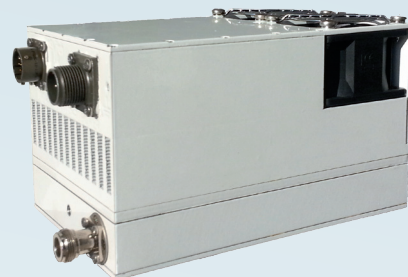
Monitor	BUC temperature Status alarm RF output power (optional) LED status indication
Control	Remote LO (manual or via M&C) Attenuation RF output mute
Interface	RS232/RS485 via external MS connector

Environmental

Operating Temperature	-40° C to +50° C
Relative Humidity	Up to 100% (water proof design)

Mechanical

Size	257 L x 140 W x 95 H mm
Weight	4.5 kg / 9.92 lbs
Color	White Powder Coat



Space Dynamics GmbH
Grabenweg 68
A-6020 Innsbruck // Austria

t. +43 720 512 382
f. +43 720 512 383
w. spacedynamics.com

Note: all specifications are subject to change without notice.
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