

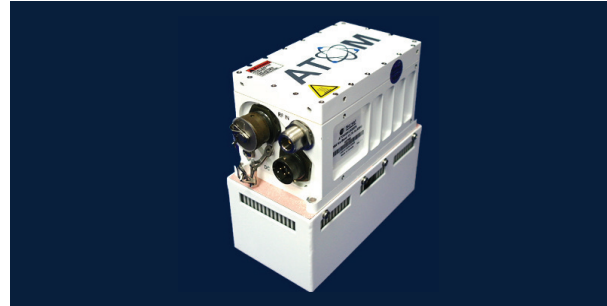


# BUC

## KU-BAND 16W 20W

### ATOMBKU

#### SPECIFICATIONS



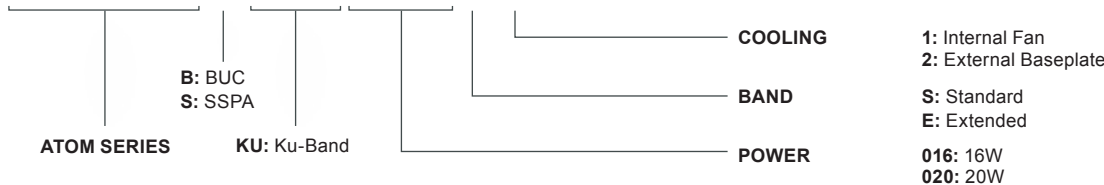
	ATOMBKU016	ATOMBKU020		
Output Power (Psat)	42 dBm min.	44 dBm min.	Input Voltage	+ 18V to + 56V DC via power connector
Output Power (P1dB)	41 dBm min.	43 dBm min.	Power Consumption	165 W max.
Phase Noise (SSB) max.	-72 dBc/Hz at 1kHz -82 dBc/Hz at 10kHz -92 dBc/Hz at 100kHz -102 dBc/Hz at 1MHz		Power Connector	MIL-26482 Series 1 receptacle Shell Size 12, 4 Pins 58-533723-4P
Linear Gain	55 dB typ., 50 dB min., 60 dB max.		Input (waterproof)	<b>BUC:</b> Type N Connector (50 Ohm) <b>SSPA:</b> SMA Connector (50 Ohm)
Gain Flatness:	Over Full Band	≤ 6.0 dB p-p	Output (waterproof)	WR-75 waveguide grooved
	Over Any 40 MHz	≤ 2.0 dB p-p	M&C Interface	RS-485 & RS-232
	Over Temperature	≤ 3.0 dB p-p	Dimensions (L x W x H)	170 mm x 86 mm x 157 mm (6.69 in x 6.18 in x 3.38 in)
Output Spurious:	In-Band	≤ -55 dBc	Weight	< 2.3 kg (5.07 lb)
	Out-of-Band	≤ -60 dBc	Operating Temperature	-40 to +60°C
Noise Power Density		-65 dBm/Hz in Tx -156 dBm/Hz in Rx	Storage Temperature	-50 to +80°C
Input VSWR		2.0 : 1 max.	Humidity	100% condensing
Output VSWR		2.0 : 1 max.	External Ref Freq	10 MHz (sine-wave), -5 to +5 dBm
			Enclosed Accessories	Screws, Gasket, M&C Connector, Power Connector

## FREQUENCY BANDS

	S: Standard	E: Extended
Transmit Frequency (GHz)	14.0 - 14.5	13.75 - 14.5
L.O. Frequency (GHz)	13.05	12.80
IF Frequency (MHz)	950 - 1450	950 - 1700

## HOW TO ORDER

# ATOMBKU016S1





# KU-BAND 16W 20W BUC: ATOMBKU

## MONITOR & CONTROL

<b>M&amp;C Interface:</b>	RS-485 & RS-232
<b>M&amp;C Connector:</b>	MIL-26482 Series 1 receptacle Shell Size 12, 10 Pins 58-533723-10P
<b>Mute Control:</b>	Fully configurable (mute enable: high or low, mute default: enabled or disabled)
<b>Low</b>	0.0 - 0.8V
<b>High</b>	3.0 - 5.0V
<b>Thermal Shutdown Temperature</b>	90°C (Accuracy ± 3°C)

## OPTIONAL CONFIGURATION ADD-ONS

<b>EMI/EMC Filter</b>	ATOMEF-KU
<b>Internal Reference</b>	ATOMINT-KU
<b>Surge Protection (MIL-STD 1275D)</b>	ATOMSRG-KU

## OPTIONAL ACCESSORIES

<b>Power Supply</b>	PS300-AT1-(NA/UK/EU/IEC)
<b>M&amp;C Cable (10m)</b>	CABLEM+C-AT10

## MECHANICAL DIAGRAM

