



Alga Microwave Inc.

New 16W ABOX Ku Band Fanless BUC

For immediate release

Montreal, Quebec (October 30,2007) Alga Microwave Inc., a Canadian Manufacturer of quality, cost-effective, active and passive RF/Microwave components and systems, is pleased to announce a new 16W Fanless Ku-Band Block Upconverter.

Weighing less than 7 kg, this new development provides an industry leading light weight in an exceptionally small package. It is available in the standard transmit band of 14.0 – 14.5 GHz and the extended band of 13.75 – 14.50 GHz. The unit is powered from 110/220 VAC input, with a 48 VDC input optional. Microcontroller and Redundancy Ready configurations are also available. Mass production is scheduled for early December 2007. Please refer to the attached Technical Specification and Outline Drawing for further details.

For more information please contact:

Alga Microwave Inc.
Phone: 514-683-6113
sales@alga.ca



Ku-band 16W BUC

Model No. ABOX-KU-16N

< Features >

- * High Efficiency Output Power (16W minimum @P1dB over temperature)
- * 110/220VAC Operation, 48VDC Optional

<Line-Up>

Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	Connectors A
ABOX-KU-16N	14.0 to 14.5 GHz	13.05 GHz	950 to 1,450 MHz	16W Linear	N-Type

< Specifications >

Item	Specifications
Output Interface	Waveguide, WR-75
Output Power @ 1dB G.C.P.	42 dBm min. over temp.
Linear Gain	70 dB nom.
Requirement for External Reference [Frequency]	10 MHz (sine-wave)
	[Input Power]
	-5 to +5 dBm @ Input port
	[Phase Noise]
	-125 dBc/Hz max. @ 100 Hz
	-135 dBc/Hz max. @ 1 kHz
	-140 dBc/Hz max. @ 10 kHz
L.O. Phase Noise	-60 dBc/Hz max. @ 100 Hz
	-70 dBc/Hz max. @ 1 kHz
	-80 dBc/Hz max. @ 10 kHz
	-90 dBc/Hz max. @ 100 kHz
Input V.S.W.R.	2 : 1 max
Output V.S.W.R.	1.3 : 1 max.
DC Power Requirement	110/220VAC
	150 W max.
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	N-type, female (50 ohms)
Temperature Range (ambient)	-40 to +55 C (operating)
	-40 to +75 C (storage)
Dimension	6.3" x7.8" x8.3"
	(160mm x 198mm x 210mm)
Weight	15 lbs max. (6.5 kg)

Specification is subject to change without notice.

