

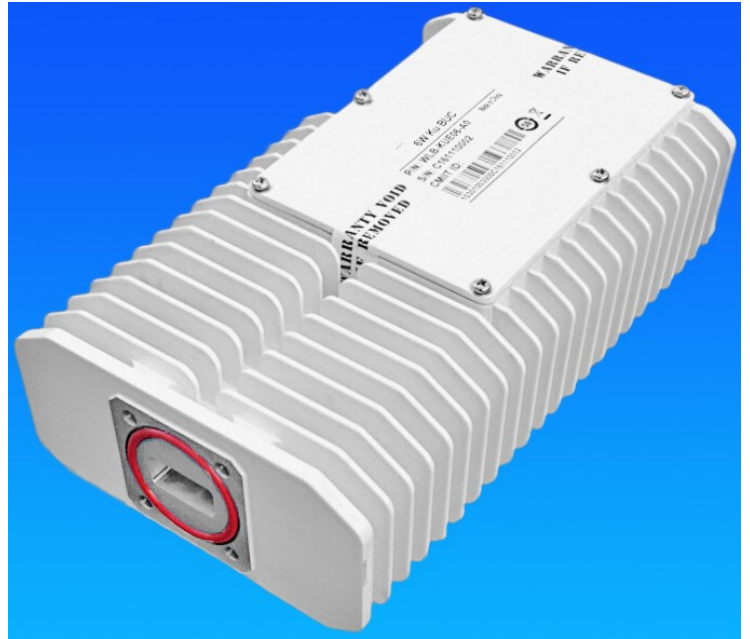
6 Watts Ku BUC

FEATURES

- High output power with low power consumption
- Highly integrated design creates higher reliability
- Outdoor design for wide operating temperature range
- Compact and light weight design
- CE Compliant
- RoHS Compliant

APPLICATIONS

- Mobile Backhaul
- Maritime
- Flyaway SNG Terminals
- Communication-On-Moving
- Transportable VSAT Stations

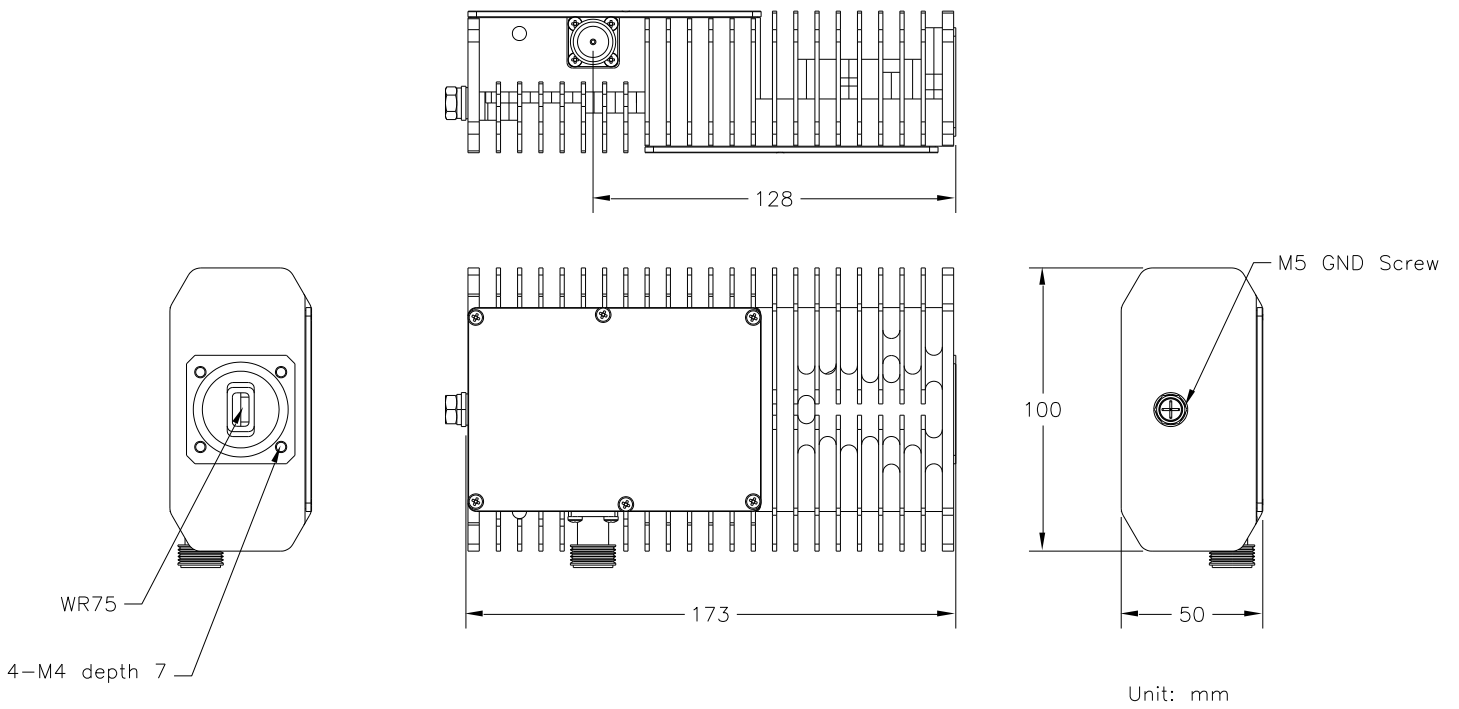


WaveLab Advantage™ BUCs (Block Up Converter) are technically advanced, highly reliable, and very cost effective due to high levels of integration design for high volume production.

Next generation technologies provide higher output power in smaller, lighter weight packages for being more reliable and using less energy. WaveLab Ku band BUCs can be mounted in most existing customer systems because of their small size.

SPECIFICATIONS	
RF	6 W
Transmit Frequency - Extended Band Optional	14.0 - 14.5 GHz 13.75 - 14.5 GHz
IF Frequency - Extended Band Optional	950 - 1450 MHz 950 - 1700 MHz
External Reference	10 MHz, 0 ± 5 dBm
Saturated Output Power	≥38.5 dBm
Rated Output Power	37.8 dBm
IM3 - 3 dB Back-off from Rated Output Power	≤-25 dBc
Small Signal Gain	60 dB nom. 57 dB min.
Gain Variation (Over frequency at fixed temperature)	1 dB p-p/ 36 MHz, 4 dB p-p/ 500 MHz, 5 dB p-p/ 750 MHz
Gain Stability (Over temperature at fixed frequency)	±2 dB
Receive Band Noise Density	-144 dBm/Hz max. @ 10.95 - 12.75 GHz
Phase Noise (IESS-308/309)	-60 dBc/Hz@ 100 Hz, -70 dBc/Hz@ 1 KHz -80 dBc/Hz@ 10 KHz, -90 dBc/Hz@ 100 KHz
Output Spurious	-55 dBc Max.
POWER SUPPLY	
Power Supply	+18 to +36 VDC, via IFL
Power Supply Draw - at Rated Output Power	48 W
INTERFACES	
RF Output Connector	WR75-G (Grooved)
RF Output VSWR	2: 1 Nom.
IF Input Connector	N-Type Female
IF Input VSWR	2: 1
LED Indicator	Red and Yellow
PHYSICAL PARAMETERS	
Size	173*100*50 mm
Weight	1 Kg
Operation Temperature	-40 to +60 °C
Humidity	0 - 100% (Condensing)
Altitude	0 - 3000 m ASL

Mechanical Diagram



Specifications are subject to change without notice.

Ordering Number

W L B - K U X 0 6 - 0 1 1 N W - A 0

X: Frequency range

- **S** - standard band 14.0 - 14.5 GHz
- **E** - extended band 13.75 - 14.5 GHz

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