

# RADITEK

## SATCOM L-Ku Band BUC

Block Up Converter L to Ku Band,  
L Band(950-1450MHz) to Ku(14.00-14.50GHz)  
F-Type Female Connector, 2 Watts



**Order Examples:** RBUCL(950-1450M) to Ku(14.00-14.50)-Ff-2W-v7

**Description:** (Block Up Converter, L Band(950-1450MHz) to Ku(14.00-14.50GHz),F-Type Female Connector, 2 Watts

Specifications	
Output Frequency	14.0 to 14.5 GHz
1 dB Gain Compression Point (P1dB)	33 dBm min.
Gain at Compression Point	53 dB min.
TX Intermediate Frequency	950 - 1450 MHz
Gain Flatness (500MHz)	5 dB p-p max
Gain Flatness (any 54 MHz)	2 dB p-p max
Gain Variation over Temperature	5 dB max at fixed frequency; 2 dB typical
Group Delay over any 54 MHz	2.5 nS p-p max
RF VSWR	2.0:1 max.
IF VSWR	2.0:1 max.
LO Frequency	13.05 GHz
Phase Noise (SSB)	100 Hz < -60 dBc/Hz
	1 KHz < -70 dBc/Hz
	10 KHz < -80 dBc/Hz
	100 KHz < -90dBc/Hz
RF Interface	WR-75
IF Interface Connector	Type F (female)
IF Interface Impedance	75 Ohms
Ref Signal Phase Noise	100 Hz < -135 dBc/Hz
	1 KHz < -140 dBc/Hz
	10 KHz < -143 dBc/Hz
DC Power	+15 to 30VDC nominal, 28 W max
Operating Temperature	-40° to +55° C
Storage Temperature	-55° to +85° C
Size:	166.45 L x 184 W x 74 H mm
Weight:	2.3 Kg

**Includes:** Built-in TX Mute Function in the case the LO becomes unlocked.

This includes when there is a loss of 10MHz reference on the input L-Band connector cable. (ER)