



Block Up Converter L to Ku Band N or F-Type Female Connector, 10MHz Ext Reference, 2 or 3 Watts



BUC – Extended Ku-band

(Block Upconverter)

Features

- Small Size & Light Weight
- High Efficiency Output Power
(2W/3W @ P1dB over temperature)
- Low Power Consumption
- RoHS Compliant



Order Examples: RBUC-L(950-1450M) to Ku(13.75-14.25)-Nf-ER10M-2W-v7

Description: (Block Up Converter, L Band(950-1450MHz) to Ku(13.75-14.25GHz), N-Type Female Connector, 10MHz External Reference, 2 Watts

Additional Options: N-Type or F Female 2 or 3 Watts

Line-Up					
RF Frequency		Local	IF Frequency	Output Power	Connector
13.75 to 14.25 GHz (Ku-band)		12.80 GHz	950 to 1,450 MHz	3W (+35 dBm typ.) 2W (+33 dBm min.)	N-Type or F-Type
Specifications					
Output Interface		Waveguide, WR-75			
Output Power @ P1 dB		+35 dBm typical, +33dBm minimum over temperature			
Conversion Gain		53 dB nom.			
Phase Noise (SSB)		-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 Interface		N-type, female (50 ohm) F-type, female (75 ohm)			
Required External Reference Signal		Frequency: 10 MHz Input Power: -5 to +5 dBm Phase Noise: -125 dBc/Hz @ 100 Hz -135 dBc/Hz @ 1 kHz -140 dBc/Hz @ 10 kHz			
Mute		Shut down the HPA in case of unlocked LO			
Input / Output V.S.W.R.		2.0:1 max. @ Input 2.0:1 max. @ Output			
Power Requirement		+15 to +30 V dc			
Power Consumption		26 W max 30 W max			
Operating Temperature		-40 to +55 degrees C			
Storage Temperature		-40 to +75 degrees C			
Size	N-Type	191.8 mm (L) x 119 mm (W) x 44.5mm (H) [7.55" (L) x 4.69"(W) x 1.75" (H)]			
	F-Type	186.7 mm (L) x 119 mm (W) x 44.5mm (H) [7.35" (L) x 4.69"(W) x 1.75" (H)]			
Weight		1.2 kg max. [2.6 lbs]			

RBUC-L(950-1450M) to Ku(13.75-14.25)-NF-2-3W-v7

Specifications may be subject to change

11/18/12

WORLD HQ: 1702L Meridian Ave. Suite 127, San Jose, Ca 95125, U.S.A.

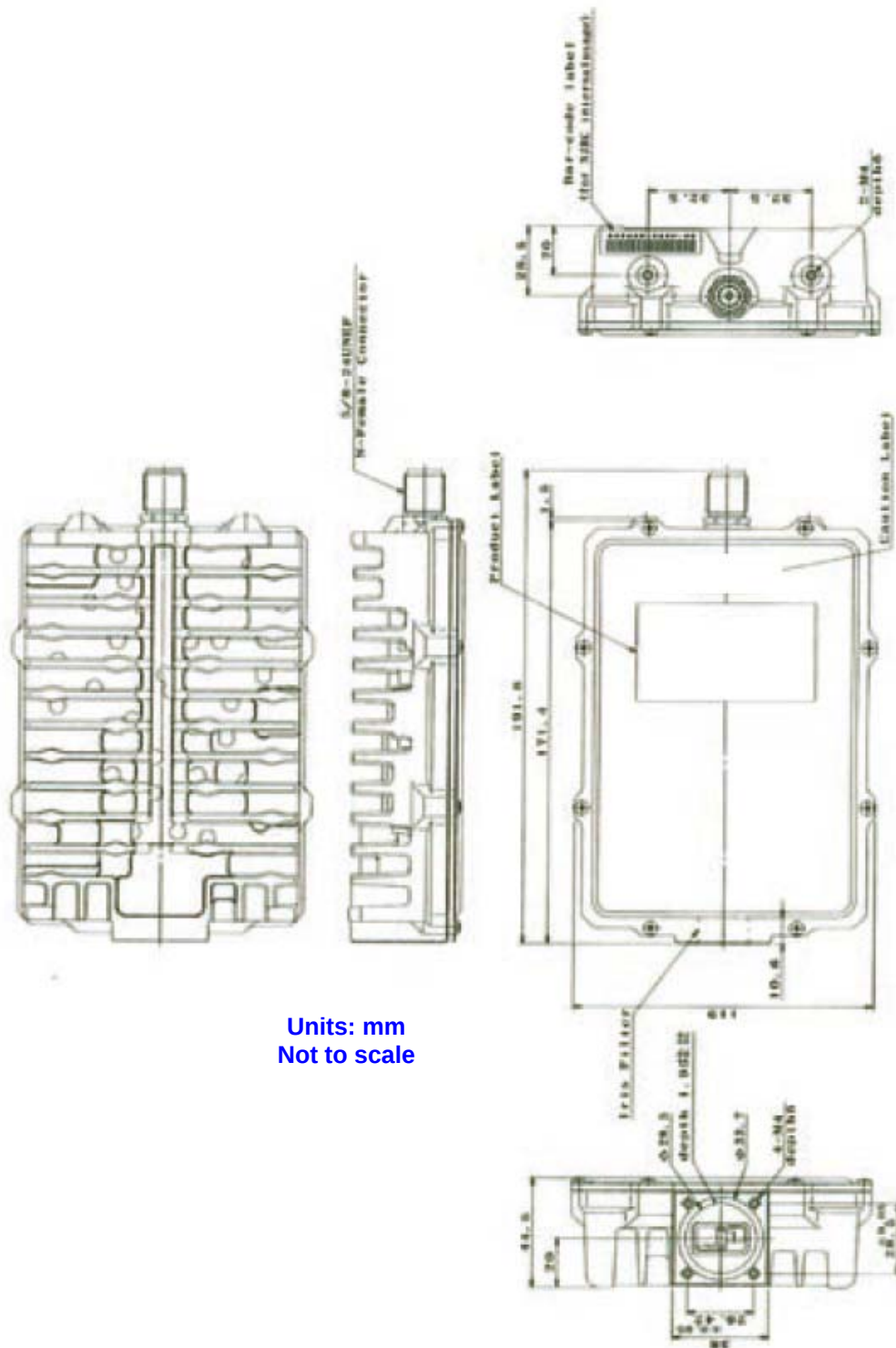
Tel: (408) 266-7404

FAX: (408) 266-4483

WEB: www.raditek.com

E-mail: sales@raditek.com

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Units: mm
Not to scale

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