

RADITEK

SATCOM L-KU Band BUC

Block Up Converter L to Ku-Band F or N-Type Female Connector, 10MHz Ext Reference, 16, 20 or 25 Watts, Outdoor Unit



DC Version



AC Version

Special Features

- Optional Internal Reference source and M&C
- 36~60VDC or 85~265VAC Power
- Two years Warranty

Frequency Bands			
Model	IF Band (MHz)	RF Band (GHz)	LO (GHz)
Standard	950 -1450	14.0-14.5	13.05
Extended	950 -1700	13.75-14.5	12.8
Low	950 -1450	13.75-14.25	12.8

Power Specs			
Watts	Output Power (dBm)	DC (W)	AC (W)
16	+42	180	220
25	+44	230	270
20	+43	200	240

Order Examples: **RBUC-L(950-1450M)** to **Ku(14.00-14.50)-Nf-ER10M-16W-DC-ODU-w13**

Description: (Block Up Converter, L Band(950-1450MHz) to Ku(14.00-14.50GHz), N-Type Female Connector, 10MHz External Reference, 16 Watts, DC, Outdoor Unit

Additional Options: **L(950-1450M)** **Ku(13.75-14.25)** **N-Type or F Female** **16, 20 or 25 Watts** **DC or AC**
L(950-1700M) **Ku(13.75-14.50)** **N-Type or F Female** **16, 20 or 25 Watts** **DC or AC**

Specifications		Units
Input Characteristics		
Impedance	F Connector, 75 N-Connector, 50	Ohm
VSWR	2:1	
Interface	N-Type (std.) or F-Type	
Output Characteristics		
1dBCompressionPoint. Min	42	dBm
VSWR	2:1	
Interface	WR75G	
Transfer Characteristics		
Frequency Sense	Non-inverted	
Linear Gain (Typical)	68-70	dB

RBUC-LBand to Ku-N-F-ER10M-16-25W-ODU-w13

Specifications may be subject to change

11/18/12

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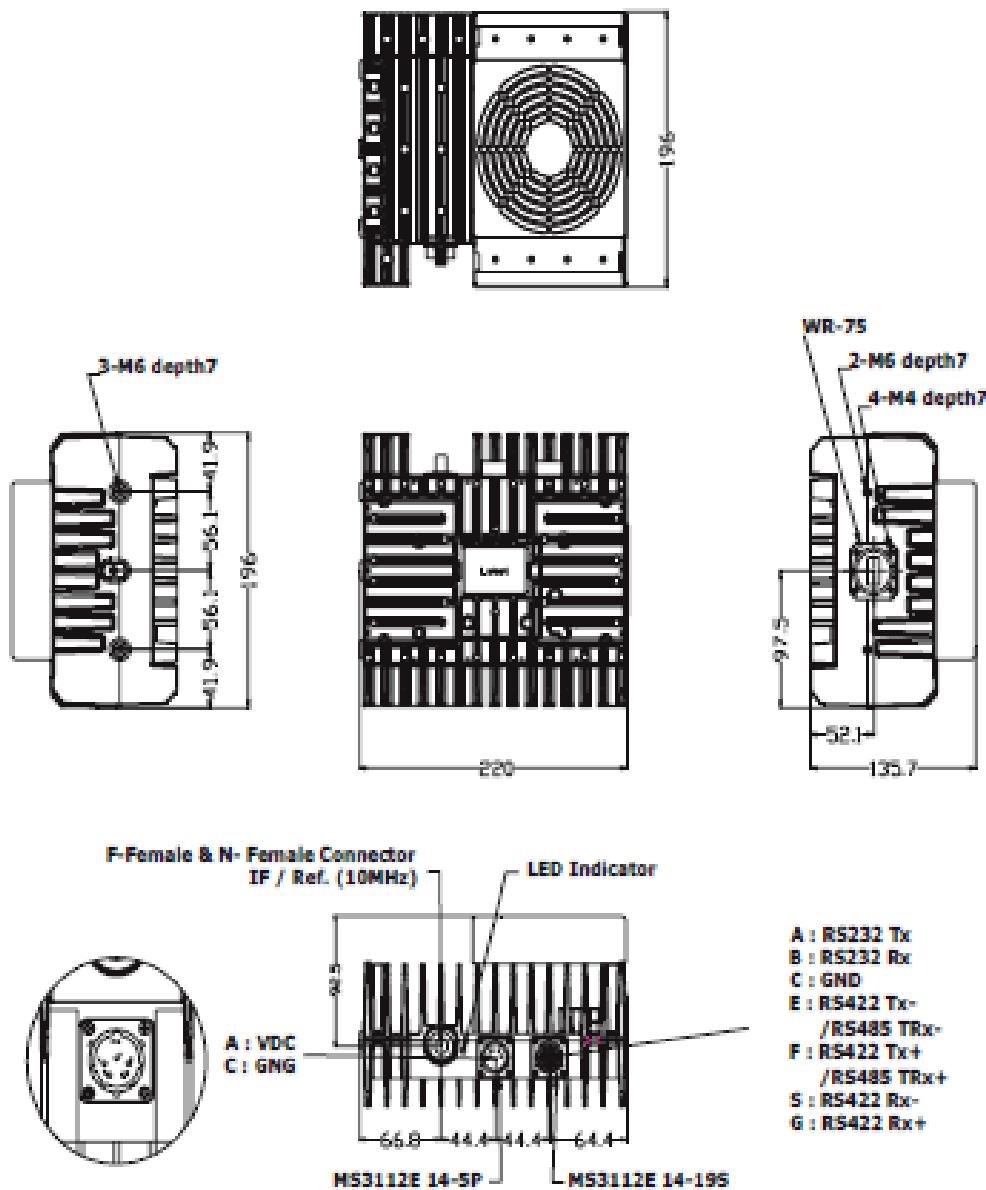
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Specifications		Units
Spurious	Over 54MHz	1.5
	Over the whole Bandwidth	4
	Over Operation Temperature	4
Gain Variation	In band	-60
	Out of band	-50
Phase Noise	100Hz	-60
	1KHz	-70
	10KHz	-80
	100KHz	-90
Miscellaneous		
Operating Voltage	36-60VDC 85-266 VAC	
Monitor & Control (M&C)	Optional	
External 10 MHz Reference Level	-5 to +5	dBm
Operating Temperature	-40 ~ +55	°C
Storage Temperature	-40 ~ +75	°C
Humidity (Condensing)	Up to 100	%
Lock Detector	Shuts off Tx in case of LO unlocked	
Dimensions (DC Model)	220 x 195 x 136	mm
Dimensions (AC Model)	220 x 195 x 181	
Weight DC/DC	5	Kg
Weight AC/DC	6	Kg
Weight - Mounting Jig	1	Kg

Block Up Converter L to Ku-Band F or N-Type Female Connector, 10MHz Ext Reference 16, 20 or 25 Watts, Outdoor Unit

Mechanical Drawing

(DC)



A : RS232 Tx
B : RS232 Rx
C : GND
E : RS422 Tx-
/RS485 TRx-
F : RS422 Tx+
/RS485 TRx+
S : RS422 Rx-
G : RS422 Rx+

Unit : mm

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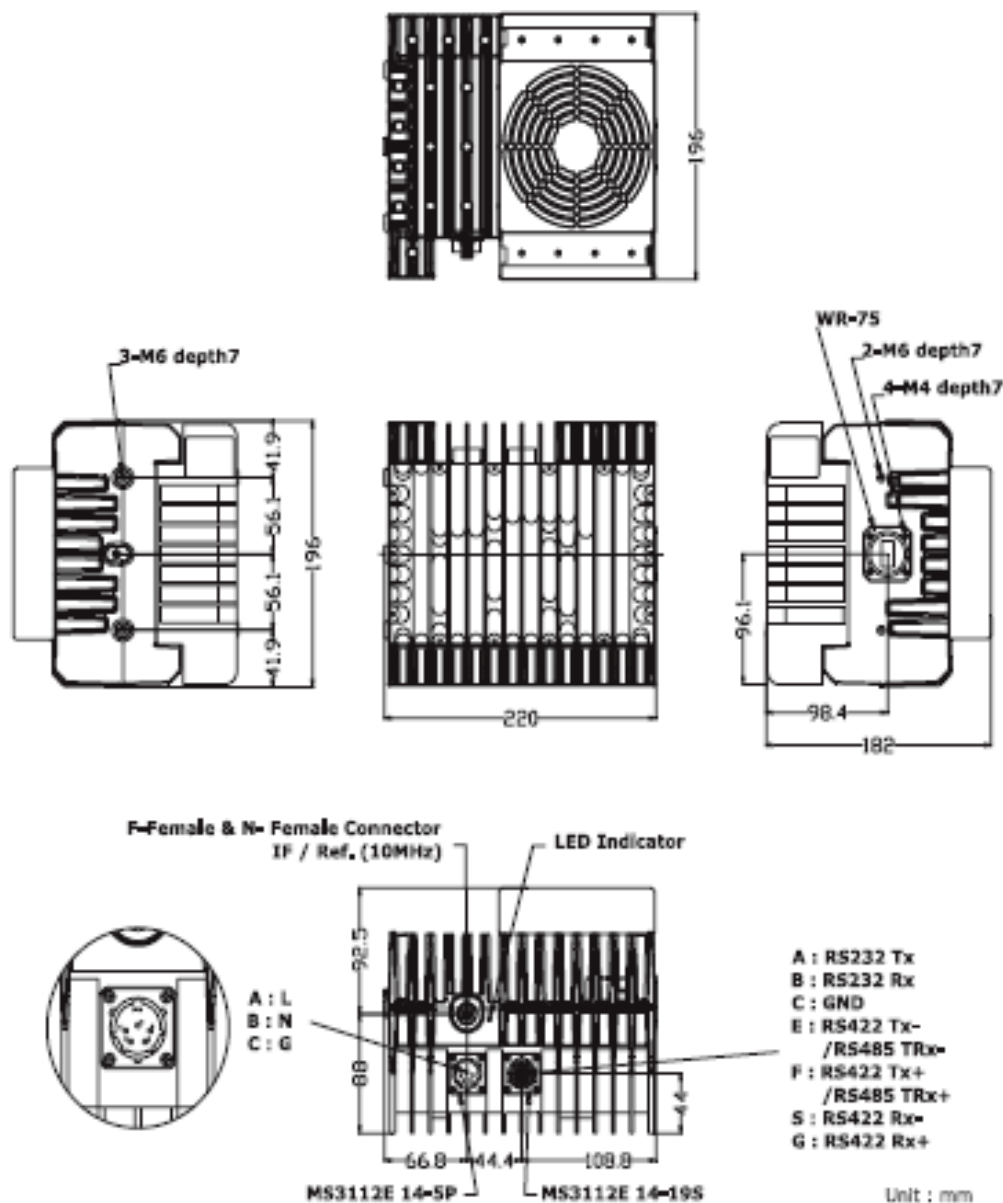
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Mechanical Drawing
(AC)



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