



Block Up Converter L to Ku-Band F or N-Type Female Connector, 10MHz Ext Reference, 1 or 4 Watts



Order Examples: RBUC-L(950-1450M) to Kue(13.75-14.25)-Ff-WR75G-ER10M-4W-i7

Description: (Block Up Converter, L Band(950-1450MHz) to Ku Extended(14.00-14.50GHz), F-Type Female Input Connector, WR75G Output Waveguide, 10MHz External Reference, 4 Watts)

Additional Options: L(950-1450M) Ku(14.0-14.5) N-Type Female 1 Watt

Specifications	Ku Band Extended 1W	Ku Band Extended 4W	Ku Band 4W	Units
Input Frequency Range	950 – 1450	950 - 1450	950-1450	MHz
Input Connector	F-Type, Female (N-Type optional)	F-Type, Female	F-Type, Female	
Input V.S.W.R (max)	2:1	2:1	2:1	
Reference Requirement	10	10	10	MHz
Frequency Power Lower	-5 ± 5	-5 ± 5	-5 ± 5	dBm
D.C Voltage Requirement	15-24	15-24	15-24	V
Power Consumption (max)	20	60	55	Watts
L.O. Frequency	12.8 (P.L.O)	12.8 (P.L.O)	13.05 (P.L.O.)	GHz
L.O. Phase Noise	-60 dBc/Hz @ 100Hz	-60 dBc/Hz @ 100Hz	-60 dBc/Hz @ 100Hz	
	-70 dBc/Hz @ 1KHz	-70 dBc/Hz @ 1KHz	-70 dBc/Hz @ 1KHz	
	-80 dBc/Hz @ 10KHz	-80 dBc/Hz @ 10KHz	-80 dBc/Hz @ 10KHz	
	-90 dBc/Hz@100KHz	-90 dBc/Hz@100KHz	-90 dBc/Hz@100KHz	
	RMS < 2.2 deg @ 100Hz – 1MHz	RMS < 2.2 deg @ 100Hz – 1MHz	RMS < 2.2 deg @ 100Hz – 1MHz	
L.O. Leakage	< -37	< -37	< -37	dBm
Frequency Stability	Related to External Ref	Related to External Ref	Related to External Ref	
Output Frequency Range	13.75 – 14.25	13.75 – 14.25	14.0-14.5	GHz
Output Power (at1dB Gain Compression Point)	30.0 (min)	36.0 (typ)	36.0 (typ)	dBm
Conversion Gain	55dB (typ)	61dB (typ)	55dB (typ)	
Gain Variation Over Temperature	±1.5	±2	±1.5	dB
Gain Flatness Over				
54MHz	1.5dB (p-p)	1.5dB (p-p)	1.5dB (p-p)	
500MHz	3.0dB (p-p)	4.0dB (p-p)	4.0dB (p-p)	
Output Connector	WR75 W/G	WR75 W/G	WR75 W/G	
RX Noise Floor	< -155 dBm/Hz	< -155 dBm/Hz	< -155 dBm/Hz	
Spurious for In TX Band	-55 dBc @ <1 MHz -60 dBc @ >1 MHz	< -50 dBc	< -50 dBc	
Spurious for In RX Band	< -70	< -70	< -70	dBc
Operating Temperature	-40 to +55	-40 to +55	-40 to +55	°C
Weight (max)	1200 (g)	3.0 (kg)	2500 (g)	

RBUC-L-Ku-Nf-WR75G-ER10M-1-4W-i7

Specifications may be subject to change

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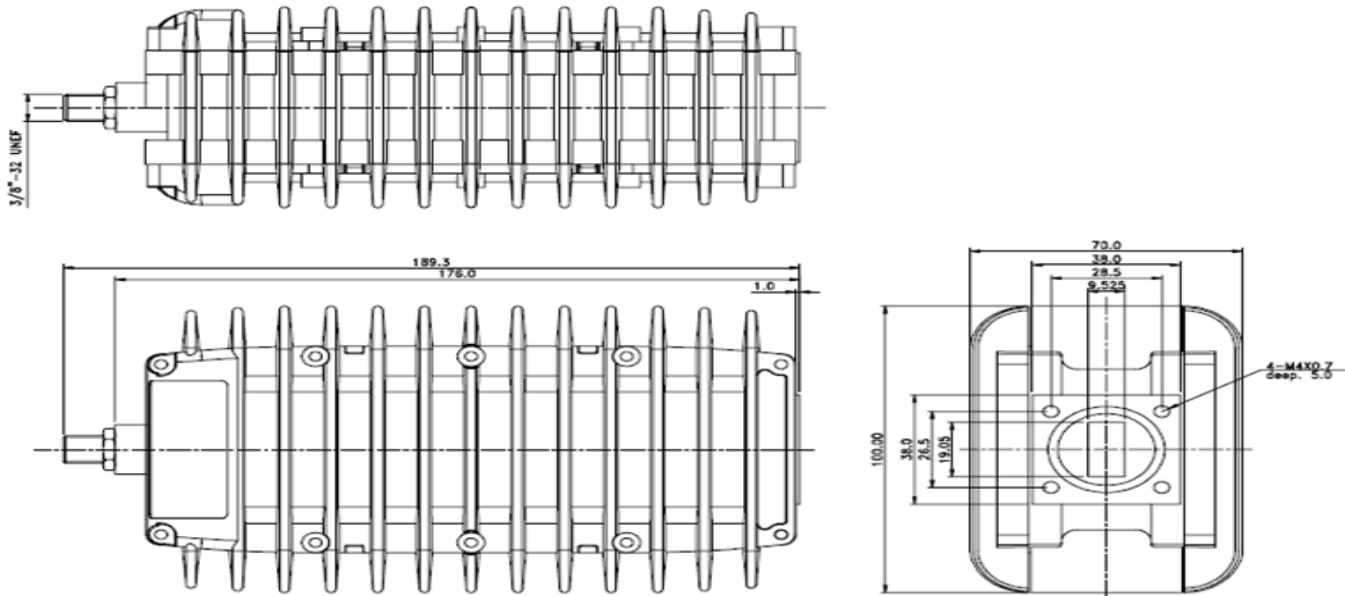
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Block Up Converter L to Ku-Band

F or N-Type Female Connector, 10MHz Ext Reference, 1 or 4 Watts

Extended Ku Band 1 Watt Outline Drawing-(Units :mm):



Extended Ku Band 4 Watt Outline Drawing-(Units :mm):

