



Block Up Converter L to C Band

10M External Reference, N/F Connector, 2Watts



Special Features

- 33dBm output power
- RoHS Compliance
- Option Internal Reference Source
- Small Size & Mass
- Low DC Power Consumption (25W Max.)
- Two years Warranty



Description 2W Model	IF Band (MHz)	RF Band (GHz)	Output Power (dBm)
Standard	950 -1525	5.85~ 6.425	+33
Palapa	1150-1450	6.425-6.725	+33
Insat	975-1275	6.725-7.025	+33

Order Examples: RBUC-L(950-1525M) to C(5.85-6.425)-Ff-2W-w13

Description: (Block Up Converter, L Band(950-1525MHz) to Ku(5.85-6.425GHz), F-Type Female Connector, 2 Watts

Additional Options: L(1150-1450M) C(6.425-6.725) N-Type or F Female
L(975-1275M) C(6.725-7.025) N-Type or F Female

Specifications			Units
Input Characteristics			
Frequency Range		950 -1525 1150 - 1450 975 - 1275	MHz
Impedance		75Ω (F Type) , 50Ω(N type)	Ω (Ohm)
VSWR		2:1	:1
Interface		F-Type (std.) or N-Type	
Output Characteristics			
Frequency Range		5.85 ~ 6.425 (LO-4.9 GHz) 6.425 ~ 6.725 (LO-5.275 GHz) 6.725 ~ 7.025 (LO-5.75 GHz)	GHz
1dBCompressionPoint. Min		33	dBm
VSWR		2:1	
Interface		CPR137G	
Transfer Characteristics			
Frequency Sense		Non-inverted	
Linear Gain (Typical)		55	dB
Gain Variation Over 54MHz		1.5	dB
Over the whole Bandwidth		4	
Over Operation Temperature		4	
Spurious	In band	-60	dBc
	Out of band	-50	
Phase Noise	100Hz	-60	dBc/Hz
	1KHz	-70	
	10KHz	-80	
	100KHz	-90	

RBUC-LBand to C-NF-ER10M-2W-w13

Specifications may be subject to change

11/18/12

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Block Up Converter L to C Band 10M Internal Reference, 2W

Specifications		Units
<i>External Reference</i>		
Input Frequency	10	MHz
Input Power @ Input Port	-5 to +5	dbm
Phase Noise		
@ 100Hz offset	-125	dBc/Hz
@ 1kHz offset	-135	dBc/Hz
@ 10kHz offset	-140	dBc/Hz
Operating Voltage DC	15 ~ 24	VDC
Power Consumption (Max.)	25	W
Operating Temperature	-40 ~ +55	°C
Humidity	Up to 100	%
Internal Function	Lock Detector shuts off Tx in case of LO unlocked	
Dimensions	176.1 X 161.5 X 65 / (6.9 x 6.4 x 2.6)	mm/ (in.)
Weight	1.8 / (4)	Kg/ (lb)

Mechanical Drawing

