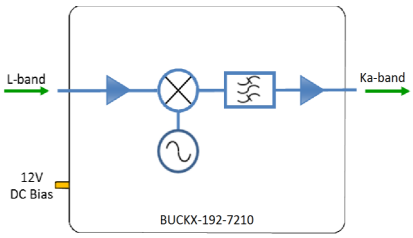
RF Components

Model Number:
BUCKX-192-7210

Non-Inverting Block Up Converter

L-Band to Ka-Band 950-1950 MHz - 19.2-20.2 GHz

- High stability frequency conversion and Phase locked DRO set at 18250 MHz
- Requires external 12V DC power
- Fitted with 50 Ohm high frequency SMA connectors



Compact
Housed in rugged compact enclosure

950-1950MHz - 19.2-20.2GHz
Operating frequency range, L-Band to Ka-band.

12V
External DC powering

Mounting
through hole

RF Parameters			
BUCKX-192-7210		50 ohm SMA	
LO Frequency		18.25 GHz	
Ka Band Output Frequency		19.2-20.2 GHz	
L-band IF Input Frequency		950-1950 MHz	
Frequency Accuracy		±10kHz	
Image band rejection	Min	-60dBc	
Output P1dB	Min.	+25dBm	
Input Power for P1dB		-10 dBm	
Maximum Input Power (no damage)	Max	0 dBm	
LO breakthrough	Typ.	-30 dBm	
Spurious Signals (in-band)		-50dBc	NB: -50 dBc typical is for L-Band IF inputs in the range 950-1050MHz.
Spurious Signals & Harmonics (DC to LO freq.)	Typ.	-60dBc	
Phase Noise (Typ.)		-95@1KHz -105@10KHz -105 @100KHz -135@ 1MHz	
Group Delay Variation		5ns over any 36MHz in band	NB: Within the pass band
Power Supply Voltage	Min	+12V DC (+15V max)	
Current Draw @ +12V DC	Typ.	1.4 A	

Broadcast

Marine Oil & Gas

SNG & VSAT

Satellite Teleport

RF Components

Model Number:
BUCKX-192-7210
L-Band to Ka-Band 19.2-20.2 GHz

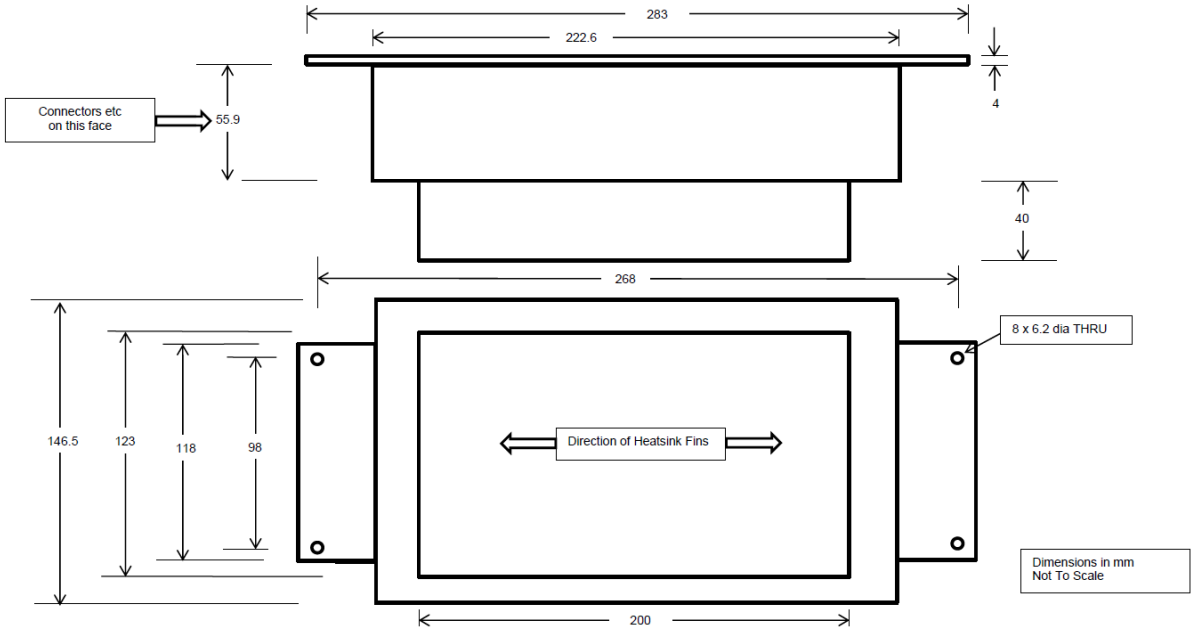
Technical specifications and operating parameters

Environmental		
Operating Temperature		0˚C to +40˚C
Storage Temperature		-40˚C to +85˚C
Location		Indoor use Only
Humidity	Max	85% non-condensing
Altitude	Max	10,000 feet

Physical Specification	
Connector Layout	All RF and DC connector on the same face
Connector Types	RF SMA Female, 3 Pole Panel Mount , Bulgin Buccaneer series
Mounting holes	4 off M6

❗ Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)



Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

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