



4W Ku-Band Block Up-Converter

Neo BUC™ Series are ideal for Broadband VSAT RF terminal.

It is designed to be compliant not only to incumbent legacy systems but also the latest platforms including iDirect's Infinity, NetModem and ViaSat's LinkStar, SurfBeam Modem.



- **36dBm min. output power**
- **Supreme Quality**
- **Small Size & Mass**
- **Low DC Power Consumption**
- **Two year Warranty**

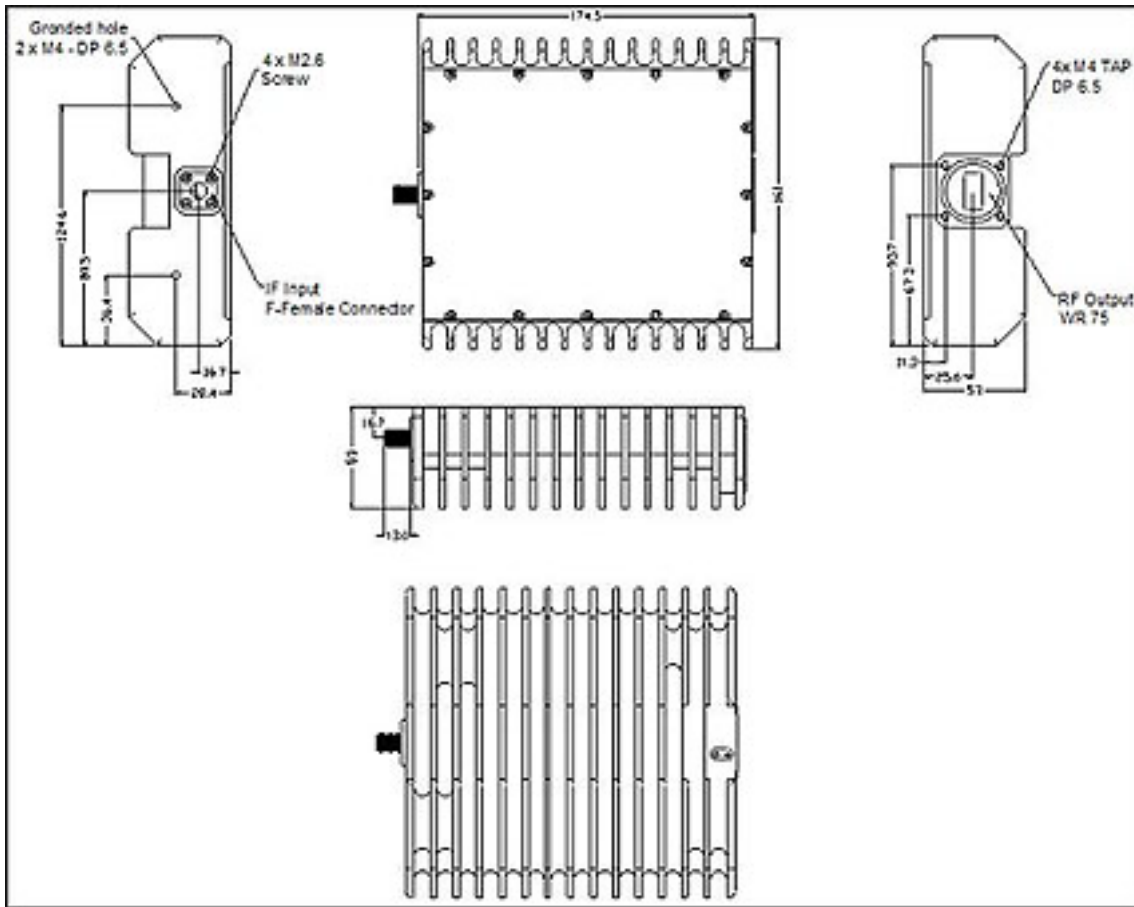
Reference

External Reference	Performance
Input Frequency	10MHz
Impedance	75ohm
Input Power	-5 to +5dBm@ Input port
Phase Noise	-125 dBc/Hz @ 100Hz offset -135 dBc/Hz @ 1kHz offset -140 dBc/Hz @ 10kHz offset

Specifications

SPECIFICATION	PERFORMANCE
Conversion Type	Single, Fixed L.O.

Frequency Sense	Non-Inverted
Output Power @ 1dB G.C.P.	36dBm min. over temp.
Linear Gain	55 dB nominal
LO Phase Noise	-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 V.S.W.R.	2 : 1 max.
Output V.S.W.R.	2 : 1 max.
DC Power Requirement	+15 to +24 VDC
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	F-type, female (75 ohms)
Output Interface	Waveguide, WR-75
Output Port Connector	F-type: Female, 75ohm N-type: Female, 50ohm
Dimensions	4W BUC: 200x120x70(mm)
Weight	2.0kg
Temperature Range	-40 to +55 C Operational



Quality Assurance

**NexGenWave products are manufactured under ISO9001:
2000 quality certified facility**



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