

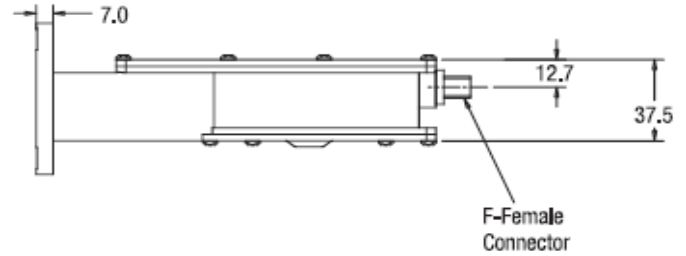
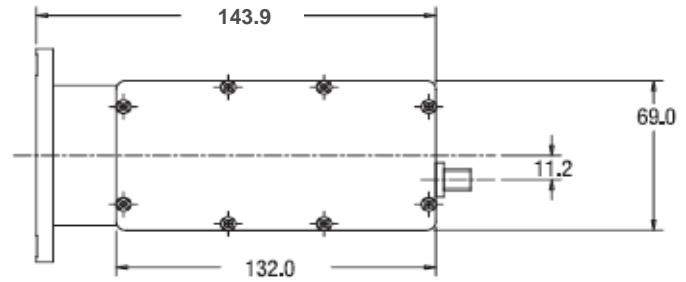
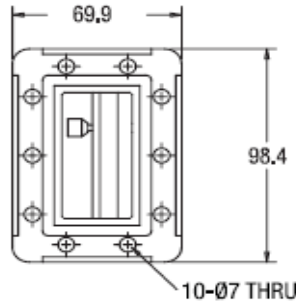
RADITEK

SATCOM C Band LNB / PLL



Low Noise Block-Converter

C Band, 3.4-4.2GHz, L Band Interface, Type N or F Connectors, Phase Locked



Units: mm
Not to scale

Specifications	
Input Frequency:	3.4-4.2GHz
L.O. Frequency:	5.15 GHz
Output Frequency:	950 to 1750 MHz
Noise Temperature	20K to 30K
External Reference Frequency	10 MHz (sine-wave) -10 to 0 dBm@ Input
L.O. stability	±2kHz to ±25kHz
Phase noise	-73 dBc/Hz at 1kHz -83 dBc/Hz at 10kHz -93 dBc/Hz at 100kHz
Input VSWR	2.2:1
Output VSWR	2.2:1
Conversion Gain	62 dB
Output P1dB	9 dBm
Power Requirements (Supplied through center conductor of IF cable)	+15 to +24 V
Current drain	330 mA
Input Waveguide	CPR 229G
Connectors	Type N – 50 Ohm Type F – 75 Ohm
Dimensions	See Drawing
Weight	700g/ 25 oz
Temperature Range	-40°C to 60°C

L.O Stability Options		
Opt #	Range	
4	0.4 ppm	±2 kHz
6	0.6 ppm	±3 kHz
8	0.8 ppm	±4 kHz
1	1.0 ppm	±5kHz
2	2.0 ppm	±10kHz
5	3.0 ppm	±25kHz