



Low Noise Block-Converter

Ku to L Band, N or F Connectors, Phase Locked-LO Stability



Order Examples: RLNB-10.95-11.70-L-Ff-PLL-0.9d NT-25k LO-n5

Description: (Low Noise Block Converter, 10.95-11.7, L Band, F female connectors, Phase Locked, 0.9dB Noise Temperature, ± 25 kHz LO Stability)

Specifications				Units
Input Frequency	11.70-12.20	12.25-12.75	10.95-11.70	GHz
L.O. Frequency	10.75	11.30	10.00	GHz
Output Frequency	950-1450	950-1450	950-1700	MHz
Noise Temperature	0.7	0.8	0.9	dB

Specifications		Units
L.O. stability (over temperature excl offset)	± 10 or ± 25	kHz
Phase noise (SSB)		
at 1kHz	-75	dBc/Hz
at 10kHz	-85	dBc/Hz
at 100kHz	-95	dBc/Hz
Input VSWR	2.0	:1
Output VSWR	2.0	:1
Conversion Gain	62	dB
Output P1dB	5	dBm
Power Requirements (Supplied through center conductor of IF cable)	+15 to + 24	V
Current drain	170	mA

Low Noise Block-Converter, Ku to L Band, N/F Connectors, Phase Lock Loop

code-n5

Specifications		Units
Input Waveguide	WR75	
Temperature Range	-40 to +60	°C
Connectors	F-Female 75	Ohm
	N Female 50	Ohm
Dimensions (L x W x H)	110 x 42 x 42	mm
	4.3 x 1.7 x 1.7	inches
Weight	300 / 10.6	g/ oz.

Tolerance Table Metric (inch)

(unless otherwise stated):

Hole diameter +/- 0.1mm, (+/- 0.004")

Dimensions (w*h) +/- 0.3 mm, (+/- 0.015")

Dimensions (Coax Connector position) +/- 0.3mm, (+/- 0.012")

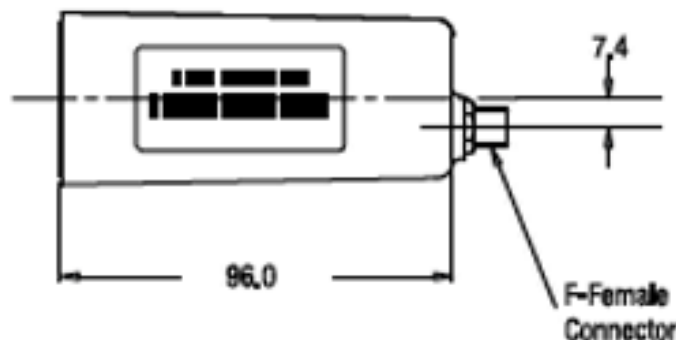
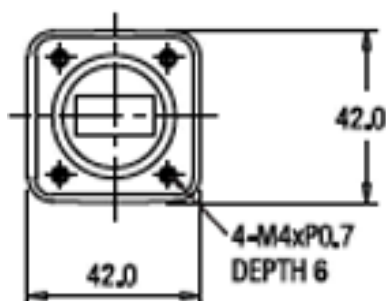
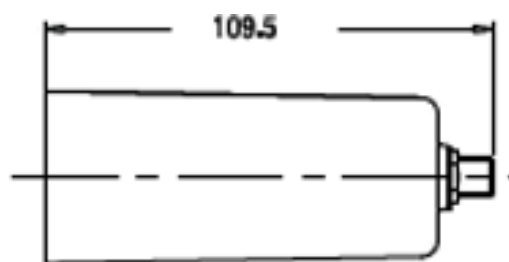
Waveguide Slot Position, +/- 0.1mm, (+/- 0.04")

Dimensions (hole position) +/- 0.1mm, (+/- 0.04")

Machined surfaces

Flatness 0.025/mm, (0.001/ inch)

Bend radius 0.8mm, (0.031" or 1/32")



Units: mm
Not to scale