

RADITEK

SATCOM

C Band LNB / DRO

C-Band LNB / DRO

3.4-4.2GHz, 55dB Gain
RLNB-3.4-4.2-55d-DRO-h1



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")

Specifications		Units
Input Frequency Range	3.4 to 4.2	GHz
Output Frequency Range	950 to 1750	MHz
Conversion Gain	60 (Min) / 70 (Max)	dB
Gain Variation (p-p)	6	dB
Flatness	$\pm 1/36$	dB/MHz
Noise Temperature	30	°K (Max.)
Image Rejection	45	dB
Output Power (at 1dB Gain Compression Point)	0	dBm
Local Oscillator Frequency	5.15	GHz
L.O Frequency Stability (25°C)	± 0.2	MHz
(-30° to + 60 °C)	± 0.5	MHz
L.O. Phase Noise: (1KHz Offset)	- 75	dBc/Hz
(10 KHz Offset)	- 95	dBc/Hz
(100 KHz Offset)	- 105	dBc/Hz
Output Return Loss	- 7.5	dB (Max.)
Output Spurious	- 60	dBm (Max.)
Input Waveguide Flange	CPR-229G	
Output Connector	F-Type, Female	
D.C. Supply Voltage	12-20	V
D.C. Current Consumption	150	mA (Max.)
Operating Temperature	-30 to + 60	°C
Weight	190	g