



## Ku-Band 12W BUC Model N0. NJAL1414-12

### < Features >

- High Efficiency Output Power (12W minimum @ P1dB over temperature)
- 110/220VAC Operation (48VDC optional)
- No “Cooling Fan” Solution

### < Line-Up >

Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	Connectors
NJAL1414-12N	14.0 to 14.5GHz	13.05GHz	950 to 1,450MHz	12W Linear	N-Type Female

### < Specifications >

Item	Specifications
Output Interface	Waveguide, WR75
Output Power @ 1dB G.C.P.	41 dBm nom. over temp.
Linear Gain	70 dB nom.
Requirement for External Reference (Frequency)	10 MHz (sine-wave)
	(Input Power)
	(Phase Noise)
	-5 to +5 dBm @ Input Port
	-125 dBc/Hz max. @ 100 Hz
	-135 dBc/Hz max. @ 1 kHz
	-140 dBc/Hz max. @ 10 kHz
L.O. Phase Noise	-60 dBc/Hz max. @ 100 Hz
	-70 dBc/Hz max. @ 1 kHz
	-80dBc/Hz max. @ 10 kHz
	-90 dBc/Hz max. @ 100 kHz
Input V.S.W.R.	2 : 1 max.
Output RL	-17 dB max.
DC Power Requirement	110/220VAC (48VDC optional)
	150W max.
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	N-Type, female (50Ω)
Temperature Range (ambient)	-40°C to +55°C (operating)
	-40°C to +75°C (storage)
Dimensions	10.9" x 9.7" x 5.35" (277mm x 246mm x 135mm)
Weight	22 lbs (10 kg)

Specification is subject to change without notice.

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