



LNB

KA-BAND QUAD-BAND

EXT.REF

9000XI4-4

TYPICAL SPECIFICATIONS

Noise Figure (@ +25°C)	2.0 dB max.
Conversion Gain	58 to 65 dB
Gain Flatness (each band)	4 dBp-p max.
Input VSWR	1.3 : 1 max.
Output VSWR	2.0 : 1 max.
Image Rejection	40 dBc @ band 1 25 dBc @ band 2 0 dBc min. @ other bands
Gain Ripple (@per Channel)	+/- 1 dBp-p max.
1 dB Gain Compression Point	+10 dBm min.
Leakage (@ Input Port)	-60 dBm max.

FREQUENCY BANDS AVAILABLE

Model Number	Input Frequency (GHz)	L.O. (GHz)	Control Signal
EC			
Band 1	17.20 to 18.20	16.25	13V / no tone
Band 2	18.20 to 19.20	17.25	13V / 22 kHz
Band 3	19.20 to 20.20	18.25	18V / no tone
Band 4	20.20 to 21.20	19.25	18V / 22 kHz
AD			
Band 1	18.20 to 19.20	17.25	13V / no tone
Band 2	19.20 to 20.20	18.25	13V / 22 kHz
Band 3	20.20 to 21.20	19.25	18V / no tone
Band 4	21.20 to 22.20	20.25	18V / 22 kHz



Required Current	350 mA max.
Input waveguide flange	WR-42 grooved
IF Output Connector	F-connector (75 ohm) N (Optional) (50 ohm)
Dimensions	156 (L) x 67 (W) x 37 (H) mm (6.1 x 2.6 x 1.5 in)
Weight	550g / 19.4 oz
Operating Temperature	-40 ~ +60°C
Storage Temperature	-40 ~ +80°C
Relative Humidity	0 ~ 100% RH

9000XI4ADN-4

- LNB SERIES #

AD or EC

F-Connector(3/8-32UNEF)
(Option : N-Con(Terminal) / SMA-Con(Terminal))

(WR42) Waveguide Isolator

10.6±1
8.7±0.1
31.0±1
37.0
115.0±1
117.6
(139.82)
(150.82)
(18.0)
(22.22)
4.32±0.04
10.67
15.02±0.04
17.02±0.04
23.5
4-M3.0x0.5 Dp2.5

UNIT : mm

