RADITEK

SATCOM
LNB - Ka Band

LNB, Ka-Band to L Band, Dual Band
N Female, 58dB Gain, Auto Reference

RoHS COMPLIANT

Features:

- Dual Band Switching via GUI Interface
- 10MHz Reference
- Automatic switch to internal PLL when Ext. Ref. is not available
- LO Stability: ±10, ±25, ±50 KHz in PLL

Order Examples: **RLNB-Ka(17.852-18.588)-L(1052-1788M)-D-Nf-58d-AR-10-m20**
Description: *(Low Noise Block Down Converter, Ka(17.852-18.588GHz) to L Band(1052-1788MHz), Dual Band, N-Type Female Connector, 58dB Gain, Auto Reference, ±10 KHz LO Stability)*
Additional Options: **Ka(see table below)** **LO Stability: 10, 25, 50**

	A-band	B-band
RF (GHz)	17.852 - 18.588	18.372 - 19.3
LO (GHz)	16.8	17.4
IF (MHz)	1052 – 1788	972 - 1900

Specifications			
Noise figure		1.5	dB Max
LO stability		±10, ±25, ±50 KHz in PLL	
Phase noise		-60 @100Hz -70 @1KHz -80 @10KHz	dBc/Hz
Input VSWR		2.2 :1	
Output VSWR		2.0 :1	
Conversion Gain		58	dB typ
Gain Flatness		±2	dB max
Output P1dB		+5	dBm min
IP3		+15	dBm min
External reference		10MHz, -5 to +5 dBm Automatic switch to internal PLL when Ext. Ref. is not available	
RF input level		-30	dBm max
Spurious	In-band Out-band	-60 @-10dBm -50 @-10dBm (Including Harmonics)	dBc max
LO leakage (Input)		-50	dBm max
Image rejection		40	dBc min
Switching voltage		+13V (Band-1), +18V (Band-2)	
DC Voltage / Current		+12 to +19 / 350	V / mA
Input waveguide		WR-42	
Output connector		N-female	
Dimension		114(L) x 70(W) x 39(H)	mm
Weight		500	g
Operating temperature		-40 to 60	°C

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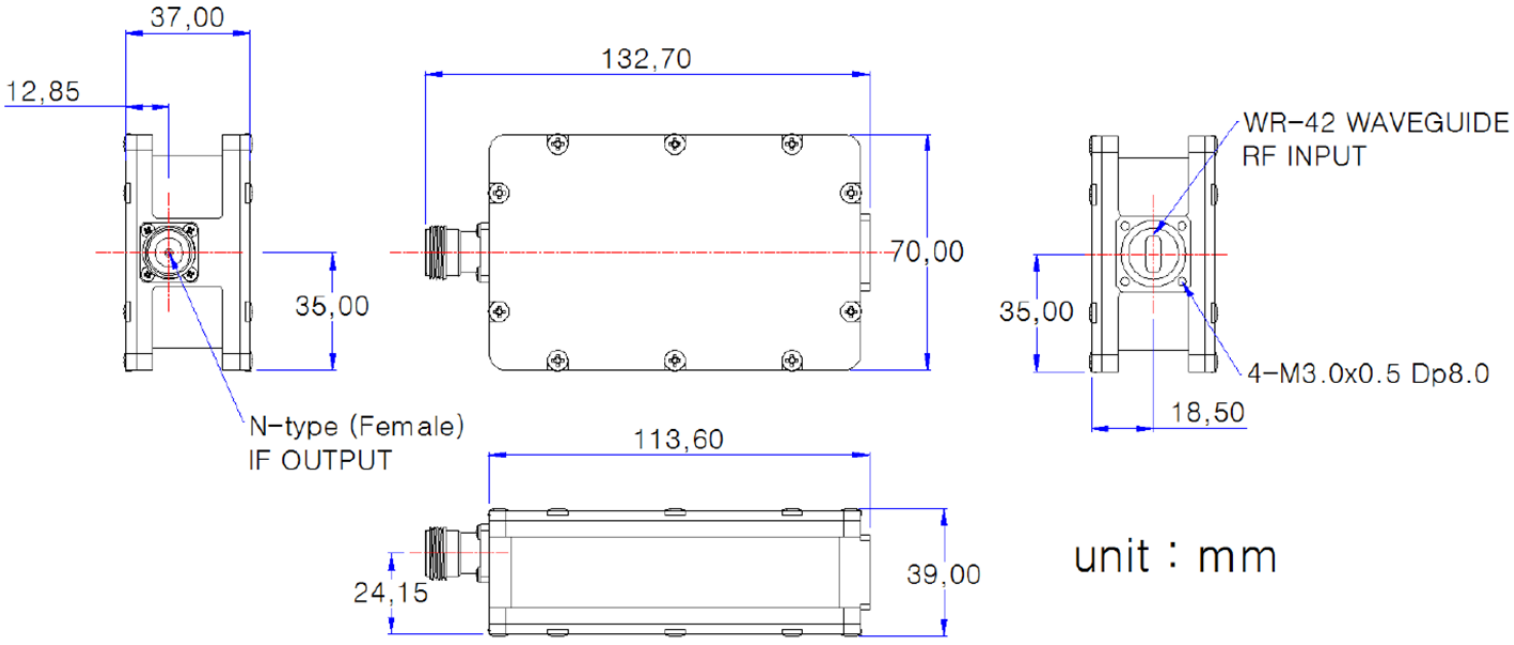
OUTLINE DRAWING



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