RADITEK

SATCOM
LNB - Ka Band

LNB, Ka-Band to L Band

N Female, 55dB Gain

RoHS COMPLIANT

Features:

- Noise Figure 1.6dB
- LO Stability:
  ±1, ±2 MHz

Order Examples: **RLNB-Ka(18.2-19.2) to L(950-1950M)-Nf-55d-2-m20**

Description: *(Low Noise Block Down Converter, Ka(18.2-19.2GHz) to L Band(950-1950MHz), N-Type Female Connector, 55dB Gain, ±2 MHz LO Stability)*

Additional Options: **Ka(see table below)** **LO Stability: 1, 2**

	A-band	B-band	C-band	D-band	E-band	K-band
RF (GHz)	18.2~19.2	19.2~20.2	20.2~21.2	21.2~22.2	21.4~21.7	19.8~20.2
LO (GHz)	17.25	18.25	19.25	20.25	20.45	18.85
IF (MHz)	950~1950	950~1950	950~1950	950~1950	950~1250	950~1350

Specifications			
Noise figure		1.6	dB Max
LO stability		±1MHz (Optional), ±2MHz (Standard)	
Phase noise		-50 @1KHz -60 @10KHz -90 @100KHz	dBc/Hz
Input VSWR		2.2 :1	
Output VSWR		2.0 :1	
Conversion Gain		55	dB typ
Gain Flatness		±2	dB max
Output P1dB		+5	dBm min
IP3		+15	dBm min
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
DC Voltage / Current		+12 to +24	VDC
Input waveguide		WR-42	
Output connector		N-female	
Dimension		95(L) x 53(W) x 29(H)	Mm
Weight		170	g
Operating temperature		-40 to 60	°C

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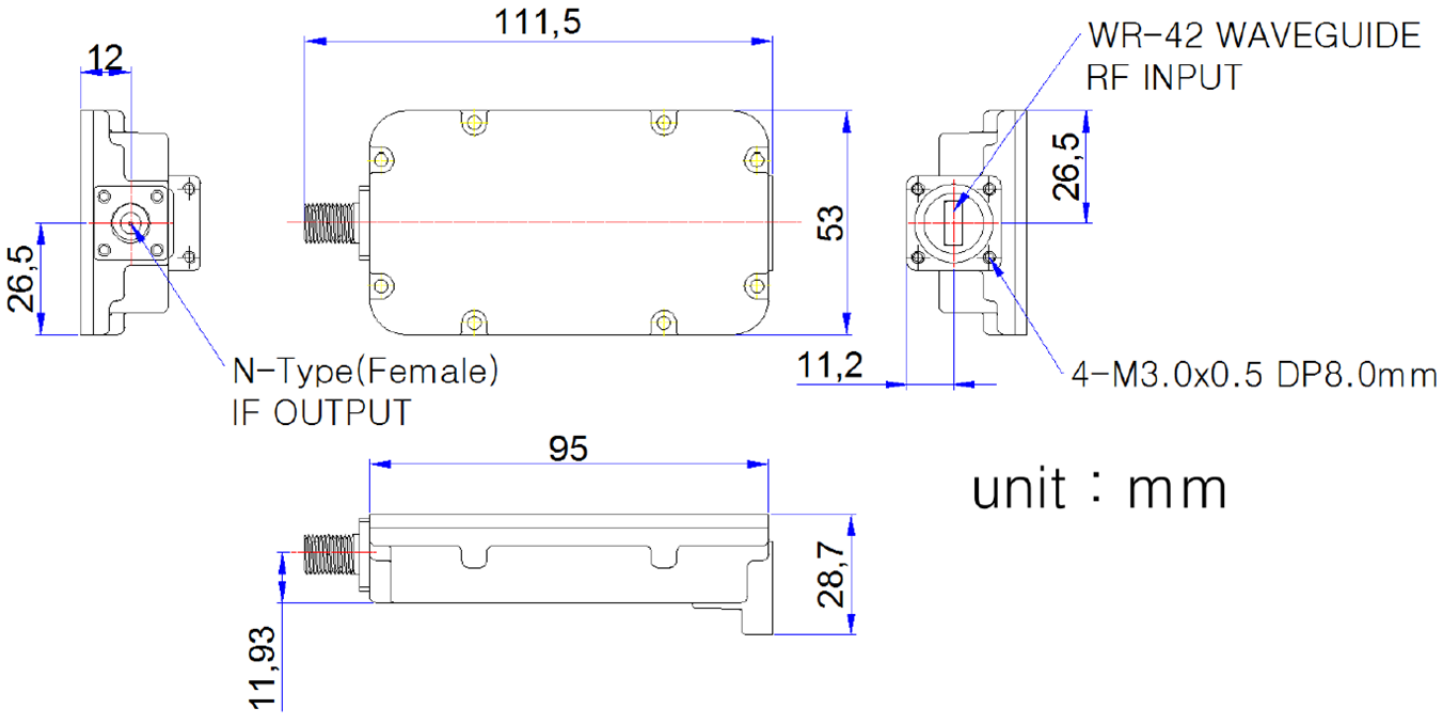
OUTLINE DRAWING



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