RADITEK

SATCOM
LNB - Ka

LNB, Ka-Band to L Band
N Female, 58dB Gain,
PLL

RoHS COMPLIANT

Order Examples: **RLNB-Ka(20.2-21.2) to L(950-1950M)-Nf-58d-PLL-m20**

Description: *(Low Noise Block Down Converter, Ka(20.2-21.2GHz) to L Band(950-1950MHz), N-Type Female Connector, 58dB Gain PPL)*

Additional Options: **Ka(see table below)** **L(see table below)** **F Female**

	A0-band	A1-band	A2-band	A3-band	A-band	B-band	C-band	D-band	E-band	K-band
RF (GHz)	17.3~17.8	17.2~18.2	17.3~18.2	17.2~17.8	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)	16.35	16.25	16.35	16.25	17.25	18.25	19.25	20.25	20.45	18.85
IF (MHz)	950~1450	950~1950	950~1850	950~1550	950~1950	950~1950	950~1950	950~1950	950~1250	950~1350

Specifications			
Noise figure		1.5dB Max	
LO stability		±10, ±25, ±50 KHz	
Phase noise		-60dBc @100Hz -70dBc @1KHz -80dBc @10KHz	
Input VSWR		2.2 : 1	
Output VSWR		2.0 : 1	
Gain		58dB typ	
Gain flatness		±2dB max	
External reference		10MHz, -10 to 0 dBm	
Output P1dB		5dBm min	
IP3		15dBm min	
Spurious	Signal related	-60dBc max @-10dBm	
	Power supply related	-50dBc max @-10dBm	
	Harmonics	-50dBc max @-10dBm	
LO leakage (Input)		-37dBm max	
Image rejection		40dBc min	
DC power		+12 to +24 VDC	
DC current		300mA	
Input waveguide		WR-42	
Output connector		N-female, F-female	
Dimension		104(L) x 60(W) x 39(H) mm	
Weight		450g	
Operating temperature		-40 to 60°C	

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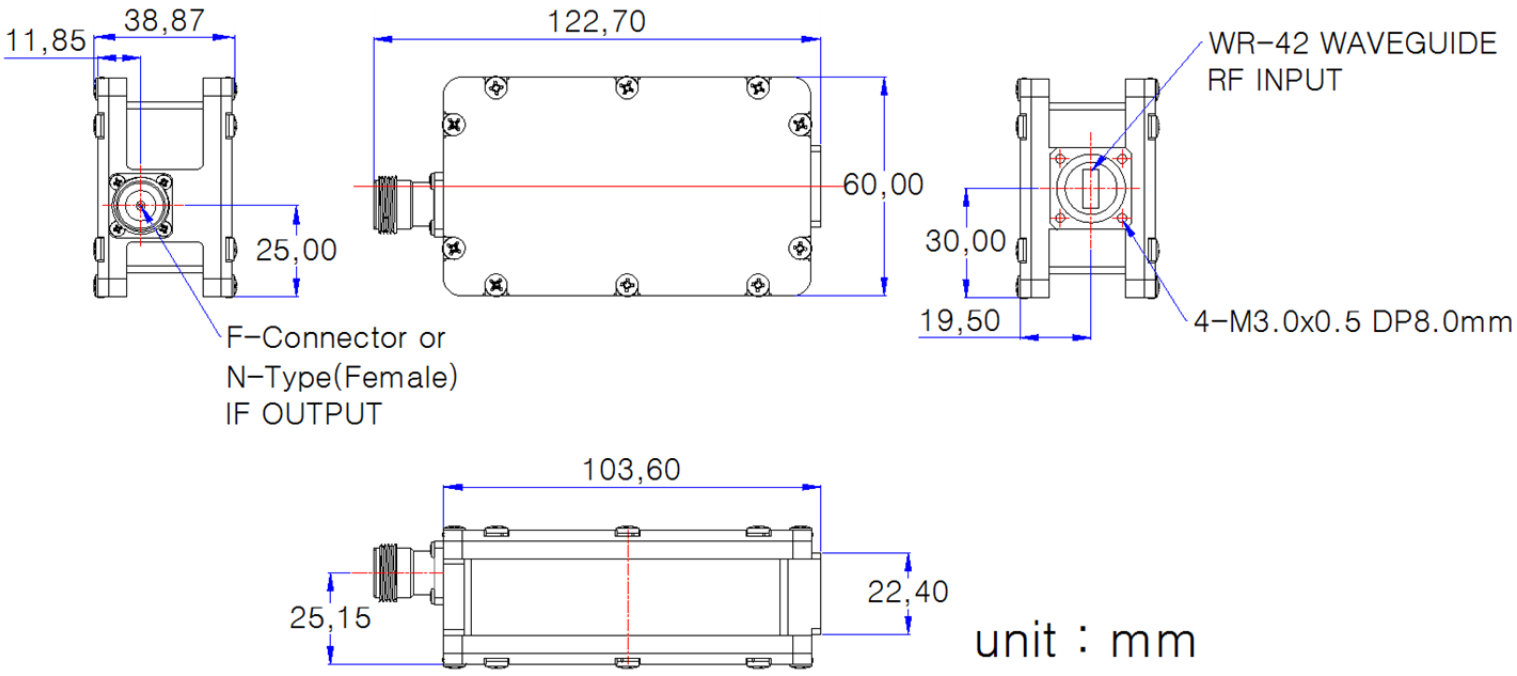
N Female, 58dB Gain, PLL



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