

SATCOM RECEIVER

LNB

Ku Simul-band EXT LNB RS1000X



TYPICAL SPECIFICATIONS

Noise figure	0.85 dB	Spurious	
LO stability	phase locked to external reference	In-band	-60dBm max @room temp -55dBm max @over temp -40dBm max
Phase noise	-70dBc/Hz @1KHz -80dBc/Hz @10KHz -90dBc/Hz @100KHz	Out-band	
Input VSWR	2.2 : 1	LO leakage (Input)	-50dBm max
Output VSWR	2.0 : 1	Image rejection	50dBc min
Conversion gain	55dB typ	DC voltage / current	+13 to +20 V / 450mA
Gain flatness	±2dB max	Input waveguide	WR-75
Output P1dB	+5dBm min	Output connector	N-female, F-female
External reference	10MHz, -5 to +5 dBm	Dimension	140(L) x 42.5(W) x 40(H) mm
RF input level	-30dBm max	Weight	470g
		Operating temperature	-40 to +60°C

** DC and 10MHz external reference need to be supplied to both IF output ports.*

FREQUENCY BANDS AVAILABLE

	Option-1		Option-2	
Sub-band	Low-band	High-band	Low-band	High-band
RF freq. (GHz)	10.70 - 11.70	11.70 - 12.75	10.95 - 11.70	11.70 - 12.75
LO freq. (GHz)	9.75	10.75	10.00	10.75
IF freq. (MHz)	950 - 1950	950 - 2000	950 - 1700	950 - 2000

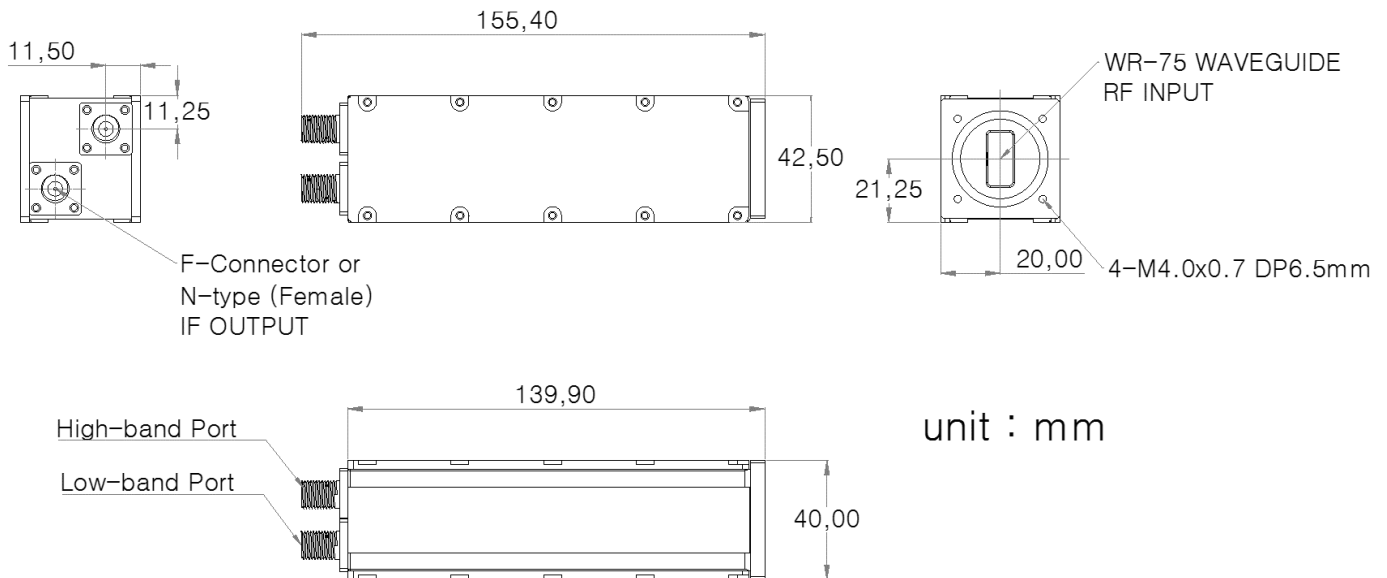
HOW TO ORDER Ku SIMUL-BAND EXT LNB

RS1008X-1F

Output connector	 N : 50Ω, E : 75Ω
Frequency band	 1 : L (10.70 - 11.70 GHz), H (11.70 - 12.75 GHz) 2 : L (10.95 - 11.70 GHz), H (11.70 - 12.75 GHz)
10MHz reference	 X : External reference
Noise figure	 08 : 0.85dB
Product	 RS1 : Ku Simul-band LNB series

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OUTLINE DRAWING



HOW TO USE Ku SIMUL-BAND EXT LNB

