

Ku Single PLL LNB



Specification

Item	Parameters	Specifications	
Electrical Spec.	RF Frequency Range	10.7 ~ 12.75 GHz	
	LO Frequency	See the below LO option	
	IF Frequency Range	950 ~ 2150 MHz	
	Phase Noise	@ 1 kHz	-70 dBc
		@ 10 kHz	-80 dBc
		@ 100 kHz	-95 dBc
		@ >1 MHz	-115 dBc
	LO stability	±0.5 ppm	
	Conversion Gain	60 dB	
	Gain variation		±0.4 dB
		±2.5 dB	
Noise Figure	0.8 dB		
Input/Output VSWR	2:1		
DC Input Voltage	13 ~ 24.0 V		
Current Consumption	300 mA		

Item	Parameters	Specifications	Notes
Mechanical Spec.	Input	WR-75 with Groove	
	Output (waterproof)	F-connector / N (Optional)	75 ohm (50 ohm)
	Dimensions	107.3(L) x 38.8(W) x 38.8 (H) mm	
	Weight	310g	
Thermal Spec.	Operating temperature	-30 ~ +60 °C	
	Storage temperature	-40 ~ +80 °C	

Line-Up

Model No.	IF Connector	10Mhz Reference	LO Frequency
PTL-KUSIF-Option	F-Type	Internal	Select 1 LO Freq. (See LO Option)
PTL-KUSIN-Option	N-Type		
PTL-KUSIS-Option	SMA-Type		
PTL-KUSEF-Option	F-Type	External	
PTL-KUSEN-Option	N-Type		
PTL-KUSES-Option	SMA-Type		

LO Option

01 – LO 9.75 GHz
 02 – LO 10.00 GHz
 03 – LO 10.25 GHz
 04 – LO 10.50 GHz
 05 – LO 10.60 GHz
 06 – LO 10.75 GHz
 07 – LO 10.80 GHz
 08 – LO 10.90 GHz
 09 – LO 11.00 GHz
 10 – LO 11.05 GHz
 11 – LO 11.25 GHz
 12 – LO 11.30 GHz