

Ka Band Dual LNB

Main Feature

- Ultra wide bandwidth (19.2~20.2GHz/20.2~21.2GHz)
- Dual Band (2-LO)
- Ultra Low Noise Figure
- Ultra Low Phase Noise
- Internal/External Reference Auto-detect/selection
- High P1dB, High IP3
- LO frequency switching by DC input level(13/18V) thru IF cable



Item	Parameters	Specifications	
Electrical Spec.	RF Input Frequency	Band 1 : 19.2~20.2GHz Band 2 : 20.2~21.2GHz	
	LO Frequency	Band 1 : 18.25 GHz Band 2 : 19.25 GHz	
	IF frequency	950 ~ 1950 MHz	
	Phase Noise	@ 1 kHz	-75 dBc
		@ 10 kHz	-85 dBc
		@ 100 kHz	-95 dBc
		@ >1 MHz	-110 dBc
	LO stability	<ul style="list-style-type: none"> • Internal : ±0.5ppm • External : Dependent on Ext. reference 	
	Required External Reference Level	0dBm	
	Conversion Gain	65 dB	
	Gain variation		±0.4 dB
			±2 dB
	Noise Figure	1.5 dB	
	Input / Output VSWR	Input VSWR : 2.5:1 Output VSWR : 1.5:1	
	P1dB output	20dBm	
OIP3	40dBm		
Image Rejection	-60dBc		
Band Switch Configuration		Band1	
		Band2	
Power Consumption	Band1: 430mA Band2: 290mA		

Item	Parameters	Specifications
Mechanical Spec.	Input	WR-42 with Groove
	Output (waterproof)	SMA/N-type Optional
	Dimensions	110.0 x 47.0 x 32.0 mm
	Weight	300 g
Thermal Spec.	Operating temperature	-30 ~ +60 °C
	Storage temperature	-40 ~ +85 °C

Line-Up

Model No.	IF Connector
PTL-KADAS-01	SMA-Type
PTL-KADAN-01	N-Type
PTL-KADAF-01	F-Type