



Ka-Band 25 KHz-Stability PLL LNB

KEY FEATURES

ALA0025 / ALB0025 / ALC0025 / ALD0025 /
ALA0025F / ALB0025F / ALC0025F / ALD0025F

- ◆ RF: 18.2 - 22.2 GHz
- ◆ IF: 950 - 1950 MHz
- ◆ N / F connector options (50/75ohms)
- ◆ RoHS compliant
- ◆ Three year warranty



Model	RF Frequency	IF Frequency	L.O.
ALA0025	18.2 - 19.2 GHz	950 - 1950 MHz	17.25 GHz
ALB0025	19.2 - 20.2 GHz	950 - 1950 MHz	18.25 GHz
ALC0025	20.2 - 21.2 GHz	950 - 1950 MHz	19.25 GHz
ALD0025	21.2 - 22.2 GHz	950 - 1950 MHz	20.25 GHz

Specifications

Conversion gain	55 dB typ.(50dB min. 62dB max.)	Gain flatness	5 dB p-p max.
IF impedance	75 or 50 ohms	Gain ripple at per 27 MHz	1 dBp-p max.
IF connector	"F" or "N" - type female	Noise figure (@ +23)	1.5 dB max.
Input VSWR	2.2 : 1 max.	Output VSWR	2.2 : 1 typ.
L.O. stability (over temp)	+/- 25 kHz max.	Image rejection	45 dBc min.
RF interface	WR - 42 Grooved	Leakage	-45 dBm max.
Phase noise	-60 dBc/Hz (@1 KHz)	1dB Gain Compression	+7 dBm min.
	-80 dBc/Hz (@10 KHz)	Current	300 mA max.
	-95 dBc/Hz (@100 KHz)		
Power supply	+12 - +24V DC	IP rating	IP67
Operating temperature	-30C - +60C	Storage temperature	-40C - +80C
Dimensions & housing	101 (L) x 60 (W) x 41 (H) mm	Weight	350 g (0.77 lbs)
	3.98"(L) x 2.36"(W) x 1.61"(H)		

Mechanical Drawing

