



Ka-Band 25 KHz-Stability PLL LNB

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

KEY FEATURES

- ◆ 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

Conversion gain	55 dB typ.(50dB min. 62dB max.)	Gain flatness	5 dB p-p max.
Input VSWR	2.2 : 1 typ.	Output VSWR	2.2 : 1 typ.
IF connector	"F" or "N" - type female	IF impedance	75 or 50 ohms
RF interface	WR - 42 Grooved	Leakage	-55 dBm max.
Phase noise	-60 dBc/Hz (@1 KHz)	Noise figure	.95 dB max.
	-80 dBc/Hz (@10 KHz)	Ext. ref. frequency	10 MHz
	-95 dBc/Hz (@100 KHz)	Ext. ref. level	-5 to +5 dBm
L.O. stability	25 KHz max.	Current	300 mA max.
Ext. ref. input	IF output connector	Storage temperature	-40C - + 80C
Power supply	+12 - +24 VDC	Weight (g)	350
Operating temperature	-30C - +60C	Dimensions (mm)	101 x 60 x 41

