

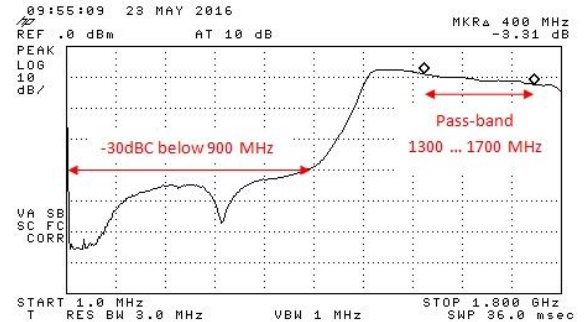
# Radio Astronomy L Band VLNA

# SBA1300/1700

## 1300MHz to 1700MHz

### Features

- solid <0.5dB noise figure with no production adjustments
- 2 stages provide stable 30dB gain with well-defined input match
- inter-stage filter for high out of band rejection at VHF/UHF
- +20dBm input tolerance
- 11v – 15v DC, reverse protection, direct or using on board bias tee
- consistent performance unit to unit



### Electrical specification at 20°C

model	Frequency (MHz)		Gain (dB)	Noise figure (dB)	Input return loss (dB)	-1dB compression typical (dBm)	O/P IP3 (dBm)	DC power	
	min	max						V	mA
SBA1300/1700	1300	1700	30+/-2dB	0.5	>10dB	+17	+29	+11 to 15	<110

### Maximum ratings

Operating temperature	-10°C to +50°C
DC Voltage	+16.0V
Input port power	+20dBm

### RF Design

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SBA1300/1700 Rev 3A5