

SLNA-100

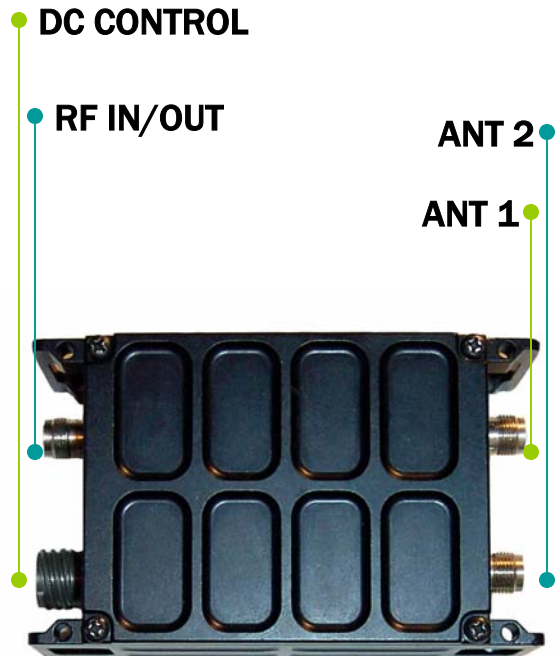
SATCOM LNA/Antenna Switch



The Talla-Com **SATCOM Low Noise Amplifier (LNA)** is a UHF SATCOM LNA and a antenna selector switch that allows the operator to switch a single radio remotely between a line-of-sight antenna and a UHF SATCOM antenna.

Key Features

- 30 – 513 MHz frequency range
- 243 – 270 MHz LNA mode
- 20 dB gain <3 dB noise figure
- Bypass mode (no power) 30 – 512 MHz without LNA
- Low insertions loss: 0.5 dB max
- Small form factor
- Size: 3"W x 2.25"H x 5"D
- Weight: <2 lbs.



PHYSICAL DESCRIPTION

Height	2.25 in.
Width	3 in.
Depth	5 in.
Weight	< 2 lbs.
Finish	Black Anodize

TABLE 1: DC CONTROL

PIN	DESCRIPTION	TYPE	FUNCTION
1	28 VDC	Input	Primary Power
2	28 VDC Return	GND	Primary Power Return
3	PTT	Input	Factory Test
4	ANT1 / ANT2	IN/Out	Open Collector/Gnd (See Table 2 & Notes)
5	Spare		
6	PTT / LOW	Input	Factory Test

TABLE 2: MODE OF OPERATION / CONFIGURATION

NOTE: No power applied default is Ant 1 without LNA

ANT 1 / ANT 2 (PIN 4)	ANT 1	ANT 2
High (OPEN)	X	
Low (GND)		X

TABLE 3: DC POWER OPTIONS

NOTE: DC can be supplied by either method below:

1. DC input using DC / Control Connector
2. DC over RF In/Out Connector

NOTES:

PIN 4 – ANT 1 / ANT 2: Default condition with the pin in an (open) condition is ANT 1. When a (Low) ground is applied to the pin, RF path is routed to ANT 2.

DC Control Connector = 26FA35SN

Mating Connector = 24WA35PN

RF In / Out, ANT 1, and ANT 2 are TNC-Type connectors

* Specifications subject to change without notice 4.14.05