



NTR - Rigid Base



NTSA - Shock Absorber Base

Technical Description

- Fast switching active low noise Rx amplifier for UHF SATCOM (UFO/DAMA/IW)
- Used with UHF243380S UHF MUOS and legacy SATCOM antenna
- DC Powered: 243-318 MHz
DC Unpowered (LNA bypass): 243-380MHz
- Fast switching Rx to Tx and Tx to Rx
- Used to compensate for loss in cables and components between the antenna and radio
- Bias-T option for single cable feed to the base (DC voltage through RF coaxial cable)

Electrical Specifications

Frequency range (DC powered)	243-318 MHz LNA: 243-270 MHz
Frequency range (DC unpowered - bypass)	243-380 MHz
Bypass loss	< 1 dB
LNA Noise Figure	< 4 dB
LNA Gain	10 dB Nominal
TX Power rating	50 W CW
Supply Voltage	18-32 V DC
Switching (DC powered continuously)	Rx to Tx: ~ 22µs Tx to Rx: ~ 50µs
Power consumption	Rx: 50mA @ 24 V DC Tx: 65mA @ 24 V DC

Mechanical Specifications

Design	NATO 4-hole rigid base or NATO 4-hole shock absorbing base.
Dimensions	NTR: 139 mm (5.5 in) dia. 152 mm (6 in) tall NTSA: 139 mm (5.5 in) dia. 231 mm (9.1 in) tall
Weight	NTR: 1.6 Kg (3.5 lbs) NTSA: 2 kg (4.4 lbs)
Finish	Black
Temperature range	-55 °C, +71 °C; -67 °F, +160 °F

