



Low Noise UHF Antenna IFU

Compact interface unit for UHF SatCom



Enhance Receive Sensitivity and Suppress Interference

Cost effective solution for improved link performance and reduced message loss.

An essential part of any resilient, high performance Hub or SatCom on the Move solution. The ideal solution for compact installations or in situations where prime power is at a premium

High intercept LNA captures the receive noise figure and compensates for high loss cables and low sensitivity receivers.

High performance filters reject interfering signals, preventing them from entering the receive chain

Fail soft by-pass mode automatically activates if the power supply removed.

Auto sensing high speed switches for DAMA compatible operation without need for microphone key switch signal.

Co-site interference suppression, no receiver degradation from adjacent transmitters, when operating in groups. Expands operational capability and simplifies group messaging.



PARAMETER

SPECIFICATION

Transmit

Frequency Range	292 to 318 MHz TACSAT spec 290 to 512 MHz operational band
Input Power Range	100mW to 30 Watts (approx 20 to 45 dBm)
Insertion Loss	1.5 dB

Receive

Frequency Range	243 to 270 MHz TACSAT spec 235 to 275 operational band
Gain	20 dB
Noise Figure	2.5 dB max
Out of band compression	No gain compression with an input signal of up to -10 dBm over 292 to 318 MHz

General

Bypass insertion loss	0.4 dB max over 50 to 512 MHz when DC off
Switching Speed	DAMA compatible Tx Off to On 35 micro secs to within 0.25 dB fully settled within 100 micro secs
Supply Voltage	+6.5 to +32 VDC, 15 Watts max
Size and weight	17.0 x 17.0 x 10.0 cm 1.5 kg (6.7 x 6.7 x 3.9 ins 3.3 lbs)
Temperature Range	-20 to +60 °C operating -40 to +85 °C storage
Humidity	100% condensing

