



Sat-Light Series

VSAT AMP FOX-LB13-RE13-SMA-FT-IOB

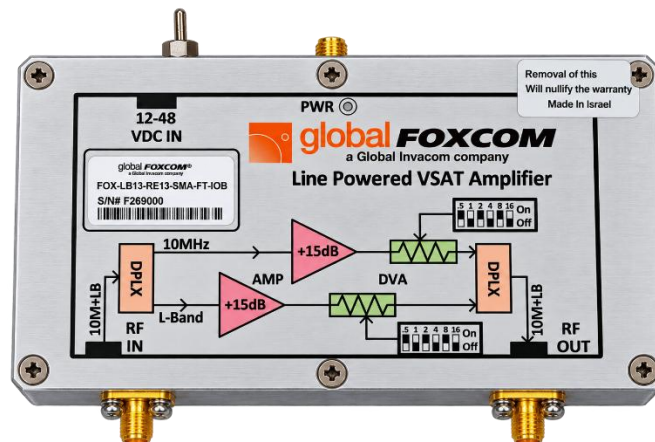
Product Description

The Global Foxcom VSAT BIAMPTX amplifies the 10MHz and the L-Band signals from the modem to the Block-Up Converter. The unit is designed to compensate for long coax cable runs where L-Band signals suffer signal attenuation. The unit uses separate amplification circuitry to eliminate cross modulation between L-Band and 10MHz reference signals.

Internal dip-switch allows the user to adjust and fine tune the gain on each signal path in 1dB steps.

Several powering versions are available, so the unit can be powered via a dedicated feed-through pin or it can be powered via DC carried over the RF input port.

When powered via DC on its RF input connector or via the feed-through, the unit can be ordered with internal Bias-T so DC is added to the RF output port. This enables multiple units to be connected in series.



System Specifications

L Band Frequency range	950–2150MHz
Gain at L-Band	Adj 0 to 15dB (shipped with +13dB as default)
Gain at 10MHz	Adj 0 to 15dB (shipped with +13dB as default)
Input/Output return loss	>12dB for 10MHz, >13dB Typical
P1dB	>15dBm @10MHz, >15dBm @L-Band
NF	<5dB
10MHz Group delay variation	<1ns (9.9-10.15MHz)
L-Band Group delay variation	<1ns (950-2200MHz)
Connectors	SMA (50 Ohm)
Operating Voltage	12-24VDC
Current consumption	150mA Max
DC Pass Capability	2A /24V
Dimensions	115mm x 67mm x 26mm
Mounting Dimensions	105mm x 57mm (M3)
Weight	250 grams

FOX-LB13-RE13-SMA-FT-IOB – Represents a unit with 13dB Gain on 10MHz, 13dB Gain on L-Band, 12V powering via feed through Pin and DC Block on RF input and output ports.

Ordering Information

Model Number	Description
FOX-LB13-RE13-SMA-FT-IOB	VSAT Inline RF Amplifier, 15dB of gain for the L-Band and 10MHz, separate gain control for each band using internal dip-switch; input and output RF connectors are DC blocked; power is provided via feed-through.
FOX-LB13-RE13-SMA-OB	VSAT Inline RF Amplifier, 15dB of gain for the L-Band and 10MHz, separate gain control for each band using internal dip-switch; unit is powered via DC on its input port; DC is blocked on RF output port.
FOX-LB13-RE13-SMA	VSAT Inline RF Amplifier, 15dB of gain for the L-Band and 10MHz, separate gain control for each band using internal dip-switch; unit is powered via DC on its RF input port; DC is passed to the RF output port.

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