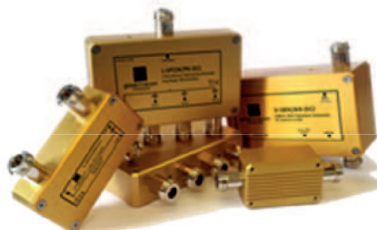
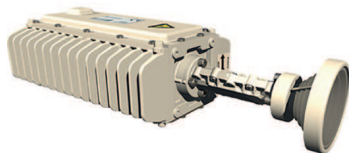


 **MARKETS**



global invacom
completing the picture
Group

Product Catalogue





global invacom
professional



Global Professional specialise in the design and manufacture of bespoke and core equipment as used in the satellite broadcast industries. Our equipment range includes both stand alone and 19 inch rack mount products, L Band Fibre distribution and pre made cable assemblies suitable for use in Uplink stations, Cable headends, SNGV's, OB Trucks, GPS, VSAT and Teleports. By the nature of the product range, many are custom specific, and with our wealth of knowledge and experience we are able to deliver innovative solutions to our customers.

Products ordered from our web site in small volumes will be dispatched 3 working days from order placement.

We pride ourselves on our very fast response times and can normally offer lead times of less than 4 days from order placement. Outside of our standard product range, Global Professional have the expertise to design bespoke custom products. If your requirement is not found within our product portfolio, please contact us to discuss your requirements further.





Connector Types Available

'N' Type 50 Ohm Female
'SMA' 50 Ohm Female
'F' 75 Ohm Female
'BNC' 50/75 Ohm Female
'TNC' 50 Ohm Female

Product Group: GPS Module

GPS Active Splitters

A Range of 2,4 or 8 way Active splitters designed to allow the signal from a GPS Antenna to be shared between multiple receivers.

The Unit is configured to insert a DC voltage to the Antenna via a solder feed through. Voltage injection requirements must be specified.

DC Options if Available

3.3V injection to Antenna with 200 Ohm RX Loads
5V injection to Antenna with 200 Ohm RX Loads
9V injection to Antenna with 200 Ohm RX Loads
12V injection to Antenna with 200 Ohm RX Loads



Connector Types Available

'N' Type 50 Ohm Female
'SMA' 50 Ohm Female
'F' 75 Ohm Female
'BNC' 50/75 Ohm Female
'TNC' 50 Ohm Female

Product Group: GPS Module

GPS Passive Splitters

Global Professional GPS Passive splitters have been designed to allow the signals from a GPS Antenna to be shared between two receivers. If required, GPS passive splitters can also be used in a combiner configuration

DC Options if Available

3.3V injection to Antenna with 200 Ohm RX Loads
5V injection to Antenna with 200 Ohm RX Loads
9V injection to Antenna with 200 Ohm RX Loads
12V injection to Antenna with 200 Ohm RX Loads



Connector Types Available

'N' Type 50 Ohm Female
'SMA' 50 Ohm Female
'F' 75 Ohm Female
'BNC' 50/75 Ohm Female
'TNC' 50 Ohm Female

Product Group: GPS Module

GPS Attenuator

The Global Professional GPS attenuator has been designed to attenuate the GPS input by a specific value whilst still allowing DC to pass through.

The attenuation value is pre-set at manufacture and can be specified by the customer prior to order placement.

DC Options if Available

N/A

Product Group: GPS Module

GPS DC Block & Inserter

The Global Professional GPS DC Block & Inserter has been designed to block any incoming DC on the input and to insert any voltage upto 48V@ Max 5amp.

The unit has negligible through loss. DC is injected via the filtered solder Connector



Connector Types Available

'N' Type 50 Ohm Female
'SMA' 50 Ohm Female
'F' 75 Ohm Female
'BNC' 50/75 Ohm Female
'TNC' 50 Ohm Female

DC Options if Available

DC Blocked on Input.

Product Group: GPS Module

GPS FIBRE LINK

The Global Professional GPS Fibre Link system enables the use of a remote or distant GPS antenna over very long cable runs at minimal signal loss.

Minimal Loss over long Cable Runs
Secure and Interference free link through "Noisy" environment
5V DC Feed to Antenna
1U Rackmount unit for direct interface to time server



Connector Types Available

'N' Type 50 Ohm Female
'F' 75 Ohm Female

DC Options if Available

N/A

Product Group: UHF Modules

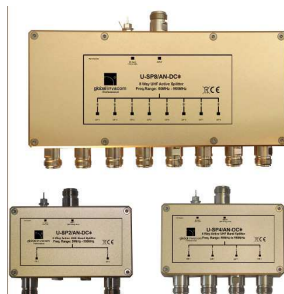
UHF Active Splitters

The Global Professional UHF BAND ACTIVE Splitter's have been designed to split a UHF with low insertion loss.

Dependant on configuration, the unit can be powered either by Port 1 or external PSU available separately.

Note. Active Splitters cannot be used as Active Combiners.

UHF Band splitters can also be supplied as rack mount solutions

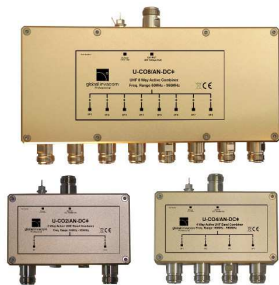


Connector Types Available

'N' 50 Ohm Female
'SMA' 50 Ohm Female
'F' 75 Ohm Female
'BNC' 50/75 Ohm Female
'TNC' 50 Ohm Female

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: UHF Modules

UHF Active Combiners

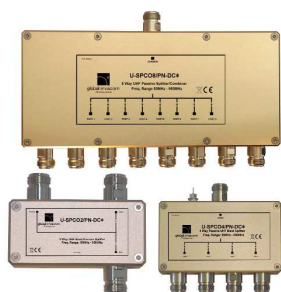
The Global Professional UHF BAND ACTIVE Combiners's have been designed to combine a UHF with low insertion loss. Dependant on configuration, the unit can be powered either by Port 1 or external PSU available separately.

Note. Active Combiners cannot be used as Active Splitters.

UHF Band Combiners can also be supplied as rack mount solutions

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: UHF Modules

UHF Passive Splitter/Combiner

A passive UHF unit capable of combining or splitting a UHF signal.

As a passive unit, it is capable of being used in either splitter or combiner configuration.

Can also be supplied as part of a rack mount solution

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'F'	75 Ohm Female
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Product Group: L Band Modules

Commercial L Band Active Splitters

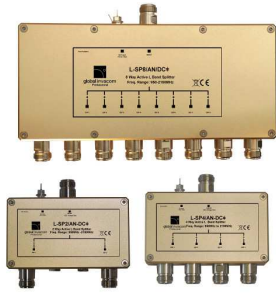
Global Professional offer two commercial 'F' connection splitters intended for use in multi dwelling distribution systems splitting one polarization of L Band. A 4 way and a 8 way.

All splitters within this range are DC power passing on ALL ports and only available with 'F' connections.

SPLIT4AF Active 4 way splitter 950-2150MHz
SPLIT8AF Active 8 way Splitter 950-2150MHz

DC Options if Available

DC Passing All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: L Band Modules

L Band Active Splitter's

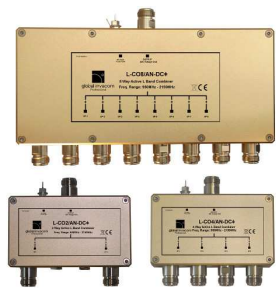
The Global Professional L BAND ACTIVE Splitter's have been designed to split the L band from a typical satellite system with negligible insertion loss.

Various DC passing or blocking options are available.

The unit can be powered via port one or alternatively external powering is available. PSU's are available if required.

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: L Band Modules

L Band Active Combiner's

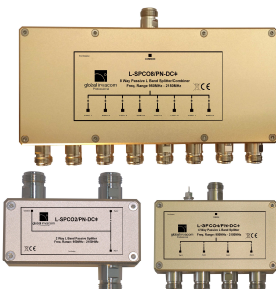
The Global Professional L BAND ACTIVE Combiner's have been designed to combine the L band from a typical satellite system with negligible insertion loss.

Various DC passing or blocking options are available.

The unit can be powered via port one or alternatively external powering is available. PSU's are available if required.

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: L Band Modules

L Band Passive Splitter/Combiner

The Global Professional L BAND PASSIVE Combiner/Splitter's have been designed to combine or split the L band from a typical satellite system. The units can be used in either configuration as splitter or combiner.

Various DC passing or blocking options are available.

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports

Product Group: L Band Modules

16dB Slope equalized Line Amplifier

The Global Professional +16dB slope equalised Line Amplifiers are high quality amplifiers (with DC Pass) for the professional user. The product is housed in our standard EMI enclosure and is CE approved.

The unit is line powered however, if required a option is available to externally power via a solder feed through which will also pass through to the O/P.

This unit will NOT pass 10MHz.

DC Options if Available

DC Passing
DC Blocked



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: L Band Modules

20dB Flat Gain Line Amplifier

The Global Professional +20dB flat gain Line Amplifiers are high quality amplifiers (with DC Pass) for the professional user. The product is housed in our standard EMI enclosure and is CE approved.

The unit is line powered however, if required a option is available to externally power via a solder feed through which will also pass through to the O/P.

This unit will NOT pass 10MHz.

DC Options if Available

DC Passing
DC Blocked



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: L Band Modules

L Band Attenuator

The Global Professional L Band attenuator has been designed to attenuate the L band input by a specific value.

The attenuation value is pre-set at time of manufacture and can be specified by the customer prior to order placement. Attenuation Values available:- 3dB, 6dB, 10dB, 15dB, 20dB, 25dB, 30dB.



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

DC Options if Available

DC Passing
DC Blocked

Product Group: L Band Modules

L Band DC Block & Inserter

The Global Professional L Band DC Block & Inserter has been designed to block any incoming DC on the input and insert any voltage upto 48V @ Max 5amp.

The unit has negligible L band through loss.

DC is injected via the filtered solder connector.

This unit will NOT pass 10MHz.

DC Options if Available

DC Blocked



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: L Band Modules

Impedance Converter

The Global Professional L band 50 to 75 Ohm Impedance converter has been designed to convert a 50 Ohm L Band path to 75 Ohm, or visa versa.

Connector Types Available

N/A
Fitted with a 'N' type and 'F' type.



DC Options if Available

DC Passing only.

Product Group: VSAT Modules

VSAT Active Splitter

Splits the L Band signal in a typical VSAT system with zero loss. Additionally Port 1 will also pass 10MHz to the common port.

Unit may be lined powered or via the DC solder feed through.

VSAT Splitters can also be supplied in various rack mount configurations.

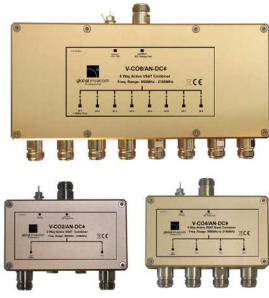


Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT Active Combiner's

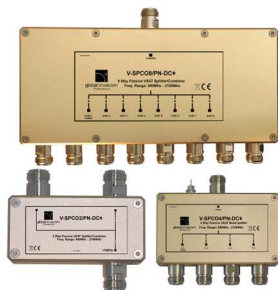
Combines the L Band signal in a typical VSAT system with zero loss. Additionally Port 1 will also pass 10MHz to the common port.

Unit may be lined powered or via the DC solder feed through.

VSAT Combiners can also be supplied in various rack mount configurations.

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT Passive Splitter/Combiner

Passive VSAT Splitter/Combiner used for combining or splitting the L Band signal in a typical VSAT system.

Additionally Port 1 will also pass 10MHz to the common port.

Combines or splits the L Band signal in a typical VSAT system with zero loss.

Additionally Port 1 will also pass 10MHz to the common port.

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT Receive Bidirectional Amplifier

The Global Professional VSAT BIAMP RX amplifies the L band signal from the LNB to the modem. Additionally the 10MHz Reference signal is also amplified if carried on the Receiver path.

Amplification is specified by the customer upon order placement.

A VSAT Bi-Amplifier System for transmit and receive path can also be supplied as a rack mount solutions

DC Options if Available

N/A



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT Transmit Bidirectional Amplifier

The Global Professional VSAT BIAMPPTX amplifies the L band signal from the Modem to the BUC. Additionally the 10MHz Reference signal is also amplified.

Amplification levels can be specified upon order.

A VSAT Bi-Amplifier System for transmit and receive path can also be supplied as a rack mount solutions

DC Options if Available

N/A



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

10MHz VSAT Amplifier

The Global Professional 10MHz VSAT Amplifier is suitable for amplifying the level from reference oscillators before feeding distribution splitters.

It is capable of being powered from 24 / 48 volt systems.

Gains are factory presettable from 0-16dB.

Custom versions are available on request.

DC Options if Available

DC Passing



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT 10MHz Extractor/Inserter NO DC Injection

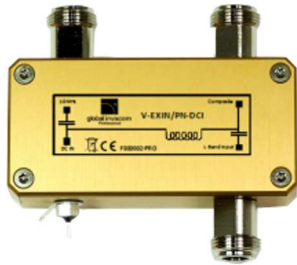
10Mhz Ex / Ins is used to Block, Extract, or Insert a 10MHz reference signal.

Key Features :

- Passes L band with minimal loss.
- Passes 10MHz to/from 3rd port with minimum loss.

DC Options if Available

DC Blocked



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT 10MHz Extractor/Insertor with DC Injection

10Mhz Ex / Ins - DC is used to Block, Extract, or Insert a 10MHz reference signal with DC.

Key Features :

- Passes L band with minimal loss.
- Passes 10MHz to/from 3rd port with minimum loss.

DC Options if Available

DC Injection/Extraction
Input path DC Blocked.



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT 10MHz Passing L Band Attenuators

Available in attenuation values of :

- 6dB
- 10dB
- 20dB
- 30dB

10MHz Passing

DC Options if Available

DC Passing
DC Blocked



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT 10MHz Reference Signal Splitter

The Global Professional 10MHz Reference Signal Splitter enables the use of the signal by up to four LNB's or BUC's, in a VSAT system.

It has an internal amplifier, resulting in 0dB distribution loss.

It can be powered separately or line powered by the input connector.

Operating frequency : 10MHz

Input level : +7dBm

DC supply : 12-24v

DC supply current : 100mA

DC Options if Available

DC Passing Port 1 Only
DC Passing All Ports
Dc Blocked All Ports



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT 10MHz Source(Generator) + Inserter

An extremely stable 10MHz VSAT Reference source with L Band insertion path and high current DC injection.

The unit can be offered with DC blocking to the combined output port or alternatively the more popular option being DC insertion to the output port.

DC is injected via a solder feed through.

The VSAT 10MHz Source + Inserter can also be supplied as rack

DC Options if Available

DC Blocked to the B.U.C.
DC Passing to the B.U.C.



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT DC Block with DC Injection

Blocks DC from the Input to the output.

Allows L band and 10MHz to pass through.

DC can then be injected onto the output via the feed In

DC Options if Available

DC Blocked.



Connector Types Available

'N'	50 Ohm Female
'SMA'	50 Ohm Female
'F'	75 Ohm Female
'BNC'	50/75 Ohm Female
'TNC'	50 Ohm Female

Product Group: VSAT Modules

VSAT FSK/10MHz Filter

Provides high level rejection of 1MHz FSK & 10MHz Reference signals eliminating amplifier overloads.

L Band through loss : +/-1dB

FSK Rejection : > 80dB

Return loss : > 15dB

DC Options if Available

DC Passing



Connector Types Available

'F' Conenctors

Product Group: VSAT Modules

VSAT Transmitter Changeover Switch

The Global Professional VSAT TX changeover switch provides L Band changeover switching between a main and standby BUC, also provides independant DC Injection to each BUC.

- 1db L-Band throughloss
- .25db 10MHz throughloss
- DC Injection 24 / 48V @ 5A
- DC control +12/ 24V

DC Options if Available

N/A



Connector Types Available

'F' & 'BNC' Fitted as standard

Product Group: Frequency Converter Mod-

Fixed Frequency Converter

The Global Professional 70MHz to L Band Frequency Converter enables monitoring of a 70 or 140 MHz bus of an uplink and downlink stations using an inexpensive L band receiver.

The unit works as an upconverter, but also allows for downconversion in reverse.

The unit is available in a number of fixed LO frequencies offering a choice of L band output frequencies and as either 50 or 75 ohm impedance.

The unit is externally powered via L band Receiver on output port.

DC Options if Available

N/A



Connector Types Available

'F' & 'BNC' Fitted as standard

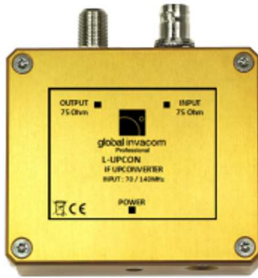
Product Group: Frequency Converter Mod-

High Stability Converter

The Global High Stability 70MHz to L Band Upconverter enables monitoring of 70 or 140 MHz Bus of uplink and downlink stations using an inexpensive, L Band input, receiver. In addition to upconversion, the unit can also perform downconversion of either the 1070-1180MHz or 1270-1380MHz band down to 70MHz —140MHz. The unit is particularly useful where the receiver being used does not have sufficient AFC range for the standard Global Upcon to be used or when lower data rates are being used. Test Spectrums can easily be produced, for factories and receiver test facilities, by combining the outputs of two of

DC Options if Available

N/A



Connector Types Available

'F' & 'BNC' Fitted as standard

Product Group: Frequency Converter Mod-

UHF Frequency Converter

The Global Professional UHF to L Band upconverter enables reception of signals in the UHF range on a L Band input receiver. The unit works as an upconverter, but also allows for downconversion in reverse. It is equally suitable for use with analogue or digital broadcasts. Upconverts UHF frequencies in the range of 160-860MHz to L Band (and inverse).

Fixed Frequency, low phase noise LO.

LO Frequency @1000MHz

DC Options if Available

N/A



Connector Types Available

'F', 'BNC' & 'N' type fitted as standard.

Product Group: Frequency Converter Mod-

Variable Frequency Agile Converter

The Global Professional Agile Frequency Converter is a low cost, high performance upconverter and downconverter, upconverting frequencies from the 70-140MHz band up to L-Band or a 70MHz wide band down to 70-140MHz from the 970MHz-2170MHz band.

It is often used to enable monitoring of the 70MHz output of a modulator using a low cost L-band receiver or it is also used to generate test signals for factories and test/repair facilities and can be used with analogue or digital signals.

This product is mainly designed for monitoring and therefore has no

DC Options if Available

N/A



Connector Types Available

'N' 50 Ohm Female
'F' 75 Ohm Female

Product Group: RF Optical Products

GPS FIBRE LINK

The Global Professional GPS Fibre Link system enables the use of a remote or distant GPS antenna over very long cable runs at minimal signal loss.

Minimal Loss over long Cable Runs

Secure and Interference free link through "Noisy" environment

5V DC Feed to Antenna

1U Rackmount unit for direct interface to time server

DC Options if Available

Product Group: RF Optical Products



Connector Types Available

'N' 50 Ohm Female
'F' 75 Ohm Female

TVRO Fibre LINK

Global Professionals TVRO link has been designed to convert any four polarities from a satellite Quattro LNB onto one fibre for systems that require very long cable runs. The system is then able to carry the four polarities upto 4000m before reconverting back to the original four L band polarities.

This unique product is ideal for TVRO systems especially suited on board ships where the TVRO antenna could be located a considerable distance away from the controller or in fact for land based systems

DC Options if Available

N/A

Product Group: RF Optical Products



Connector Types Available

'N' 50 Ohm Female
'F' 75 Ohm Female

VSAT Fibre LINK

Global Professionals VSAT link has been designed to convert both the Transmit and Receive RF signals along with the 10MHz reference onto one fibre cable.

This unique product allows for very long Fibre cable runs between Antenna and Modem and also allows the system to pass through Optical rotating joints for use on movable platforms.

In addition to the RF component, Global Invacom are also able to offer conversion of Data control signals onto the same fibre core for control of steerable Antenna systems.

DC Options if Available

N/A

Product Group: RF Optical Products



Connector Types Available

'F' 75 Ohm Female]

Wideband FIBRE LINK

The Global Professional Wideband Fibre Link is designed to transmit L-band, as well as UHF and VHF signals covering a range from 50Mhz to 2350MHz up to 10km over a single mode fibre.

The transmitter unit can be supplied DC powering or DC blocking. Furthermore, the product can be offered with FC/PC, SC/PC or LC/PC fibre connectors. In addition, a point to multipoint transmitter can be supplied. The unit offers automatic gain control within the specified input power range.

DC Options if Available

Product Group: RF Optical Products

External IP65 Enclosure

If required, our fibre optic VSAT and TVRO systems outdoor units can be supplied fully fitted into a IP65 enclosure.

All connections required are presented to the outside with full IP65 classification.



Connector Types Available

'N' 50 Ohm Female
'F' 75 Ohm Female

DC Options if Available

Product Group: RF Optical Products

Internal Rack Mount Shelf

If required, our Fibre VSAT and TVRO indoor units can be housed in a rack mountable enclosure with full redundant power supplies. Optical connection can be specified by customer.



Connector Types Available

'N' 50 Ohm Female
'F' 75 Ohm Female

DC Options if Available

Product Group: Rack Mount Product

Global Professional offer all their module products in a 19" rack mount format.

Additionally larger splitter and combiner configurations can be built using rack mount shelves.

Customers can further customize rack mount products to their exact requirements.



Connector Types Available

'N' 50 Ohm Female
'SMA' 50 Ohm Female
'F' 75 Ohm Female
'BNC' 50/75 Ohm Female
'TNC' 50 Ohm Female

DC Options if Available



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Group



global invacom
professional



global skyware
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FOXCOM
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