



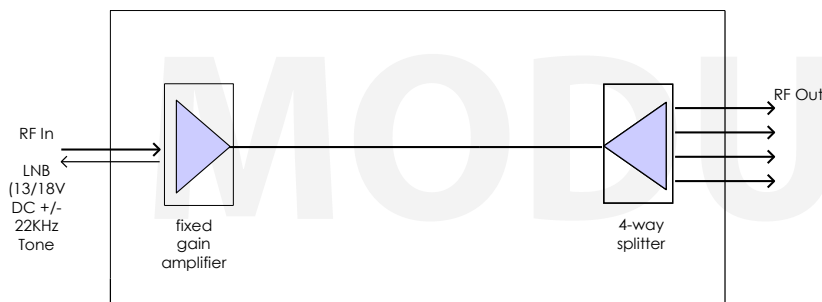
4-way L-band splitter with fixed gain control & LNB powering for 26128 modular system chassis

ETL's model 26128 Modular System offers total flexibility in managing L-band signals. The modular design comprises a chassis with 16 RF slots, two hot swap dual redundant PSUs, and one CPU. Each chassis can hold up to 16 RF modules, which can be hot swapped or hot expanded. This provides excellent resilience and scalability.

Typical applications:

- Distribution of multiple polarities into a teleport
- Signal distribution into standby IRDs
- Combining signal in Tx chains to the BUC
- Expansion of ETL's RF matrix range
- Linking RF Matrices in expanding satellite teleports.
- Can be used for a high density RF distribution chassis where rack space is limited.
- As a replacement for non hot-swap passive systems to improve system design.

Splitter Modules



850 - 2150 MHz operating frequency range



LNB Powering 13/18V & 22KHz tone



Fixed gain to balance input signals

Chassis



Compact chassis which can house up to 16 splitter modules



Resilience from dual redundant hot-swap power supplies, hot-swap splitter modules & hot-swap CPU



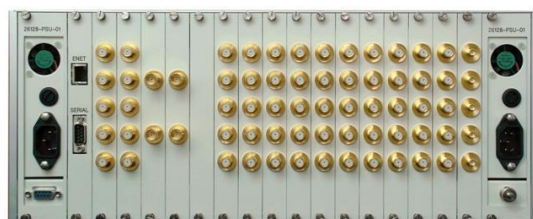
Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



Local control & monitoring via LEDs on modules



Dry contact alarm port & serial communications for power supply status





Splitter Module - Technical specifications and operating parameters				
Function	4-way active splitter			
Module Slots Used	1			
Frequency Range	850-2150 MHz (L-band)			
Gain	0 ± 2 dB			
Gain vs. Frequency Slope	0 dB nominal			
Impedance & RF Connectors	50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type
Gain Flatness	±0.5 dB	±0.5 dB	±0.1 dB	±0.1 dB
Input Return Loss	Minimum	14 dB	12 dB	10 dB
	Typical	18 dB	18 dB	14 dB
Output Return Loss	Minimum	14 dB	12 dB	8 dB
	Typical	18 dB	18 dB	10 dB
Noise Figure	Typical	12 dB (At maximum gain and 0 dB slope setting)		
	Minimum	16 dB (At maximum gain and 0 dB slope setting)		
1 dB GCP	Typical	7 dBm (At maximum gain and 0 dB slope setting)		
	Minimum	5 dBm (At maximum gain and 0 dB slope setting)		
OIP3	Typical	17 dBm (At maximum gain and 0 dB slope setting)		
	Minimum	15 dBm (At maximum gain and 0 dB slope setting)		
RF Ports	All output RF Ports are DC blocked			
Power Supply	24 V DC See chassis specifications for input power			
Local Control & Monitor	Push button & display, accessible via front door (on module)			
LNB power	450mA max per card Maximum allowed power per chassis shall NOT exceed 100W			
LNB Control	13/18V 22KHz ON/OFF			
Chassis				
Capacity	16 splitter modules			
Dimensions	4U high x 450mm deep x 19" wide			
Weight	20 kg (fully populated)			
Colour	RAL9003 - White Semi-Matte (Front & Rear panels)			
AC Power	85-264V AC, 50/60Hz			
PSU	Dual redundant, hot-swap			
Remote Control & Monitor	Via CPU as fitted, see chassis datasheet			

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

Please see separate datasheet for full
26128 chassis specifications.

