



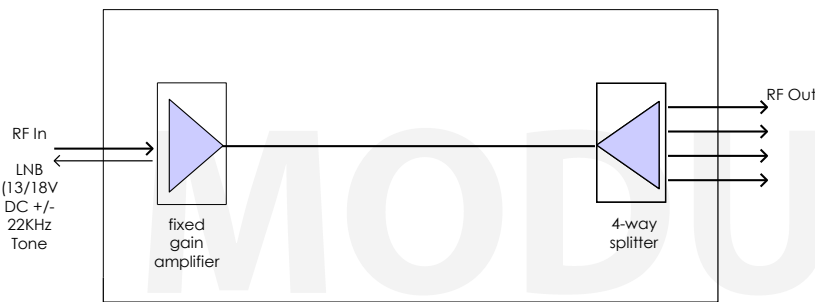
4-way L-band splitter with low noise, fixed gain & slope, RF detection & LNB powering - for 26128 modular system chassis

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:

- High resilience RF distribution
- Satellite operators, VSAT, teleports & broadcasters

Splitter Modules



850 - 2150 MHz
operating frequency range



Low Noise for optimum signals



RF detection for monitoring signal levels



Fixed gain & slope to balance input signals



LNB Powering 13/18V & 22KHz tone

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



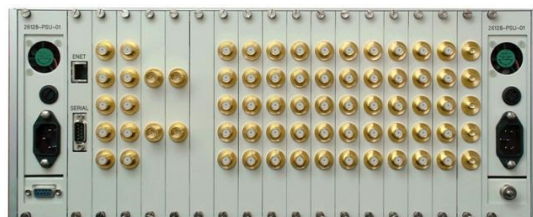
Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface



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 splitter			
Module Slots Used	1			
Frequency Range	850-2150 MHz (L-band)			
Gain	1 ± 1 dB			
Gain vs. Frequency Slope	1 dB ± 0.5 dB			
RF Connectors & Impedances	50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type
Input Return Loss	Typical	16 dB	16 dB	12 dB
	Minimum	12 dB	12 dB	10 dB
Output Return Loss	Typical	18 dB	18 dB	12 dB
	Minimum	14 dB	14 dB	10 dB
OIP3	Typical	24 dBm		
	Minimum	20 dBm		
1dB GCP	Typical	8 dBm		
	Minimum	6 dBm		
Noise Figure	Typical	5 dBm		
	Maximum	7 dBm		
LNB Power	450 mA max per card (Maximum allowed power per chassis shall NOT exceed 100 W)			
LNB Control	13/18Vdc with 22kHz select			
RF Ports	All ports are DC blocked			
Power Supply	24 V DC (See chassis specifications for input power)			
Input RF Power	+ 20 dBm (40 mW) max (Total RF power, at any RF port)			
Max DC Voltage on RF Ports	24 V (All RF ports are DC blocked)			
Chassis				
Capacity	Up to 16 RF 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			

Preliminary Specifications

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.



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