



8-way L-band splitter with variable gain, variable slope & LNB powering

for ETL 26128 Modular System

RF Module 26128-DIV807: L-band variable gain and variable slope compensation 8-way splitter with (13/18V and 22KHz tone option) LNB powering and LNB current monitoring. The RF modules are fully hot swappable.

Key Features

Function: 8-way Splitter

Gain: Variable (range of 0-24dB)

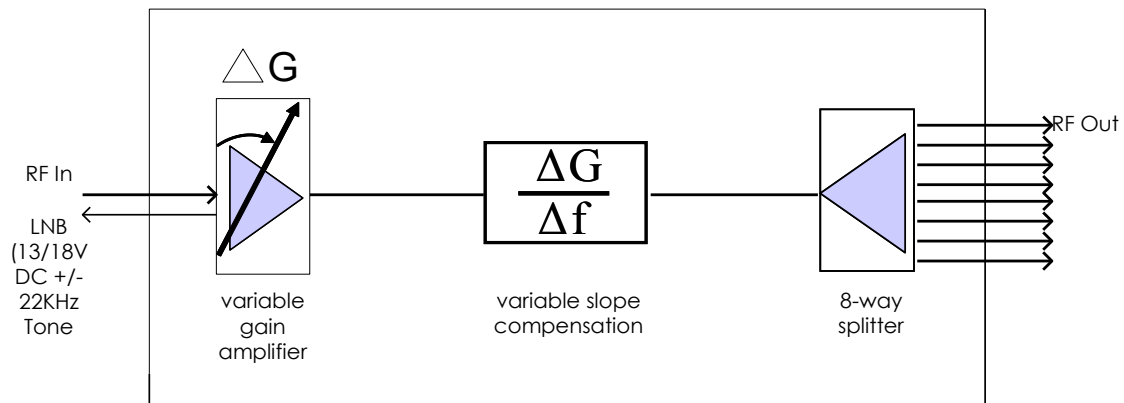
Slope Compensation: Variable

LNB Power: 13/18V 22KHz Tone

Slots: 2 (8 per chassis)

Other: LNB current monitoring; local & remote control

Application Notes: RF Distribution, low-cost high redundancy application



26128-DIV807 RF Module schematic block diagram



Front view showing hot-swap RF Module



Rear view of chassis

Overview: ETL's model 26128 Modular System offers total flexibility in managing L-band signals. The modular design comprises a chassis with 8 RF slots, two hot swap dual redundant PSUs, and one CPU. Each chassis can hold up to 8 RF modules, which can be hot swapped or hot expanded. This provides excellent resilience and scale ability.





Model Number: 26128-DIV807-xxxx

RF Engineering
and Custom Build

8-way L-band variable gain, variable slope splitter with
LNB powering for Model 26128 Modular System

Technical specifications and operating parameters

RF Parameters					
Capacity	8-way				
Module Slots Used	2				
Frequency Range	850-2150 MHz (L-band)				
RF Connectors	50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type	
Flatness	± 2.0 dB	± 2.0 dB	± 2.0 dB	± 2.5 dB	
	At 0 dB slope selection				
Gain	Min Gain	0 ± 2 dB			
	Max Gain	24 ± 2 dB			
	Gain Steps	1 ± 0.25 dB			
	Dynamic Range	24 dB			
	Variable, digitally controlled. Step size 1dB, range 24dB				
Frequency Slope	0 dB, +2 dB, +4 dB & +6 dB				
Gain vs Frequency Slope	0 dB nominal		Fixed		
1dB GCP Output Power	0dB gain	0 dBm			
	14dB gain	2 dBm			
	24dB gain	5 dBm			
Noise Figure	24dB gain	12 dB			
	14dB gain	18 dB			
	0dB gain	30 dB			
Return Loss	Typical All RF ports	14 dB	12 dB	12 dB	10 dB

Power	
LNB Power	0/13/18V with 22kHz select, 450mA per channel available. Total LNB power per chassis is limited to approximately 100W, depending on other modules fitted.
Power Supply	Chassis is AC mains powered and provides 24V DC to each RF module (see chassis specifications)

System Control	
Local Control & Monitor	Push button & display, accessible via front door
Remote Control & Monitor	Via CPU as fitted, see chassis specifications

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Chassis Specifications	
Dimensions	4U high x 450mm deep x 19" wide
Weight	20 kg (fully populated)
Colour	White 00-E-55 semi-gloss (Front panel)
AC Power	85-264V AC (50/60Hz)
PSU	Dual redundant, hot-swap

Key Features	
LNB power and 22 KHz Tone	
Variable Gain	
Variable Slope Compensation	

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