



8-way L-band splitter with fixed gain & LNB powering

for ETL 26128 Modular System

RF Module 26128-DIV804: L-band fixed gain 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: Fixed unity

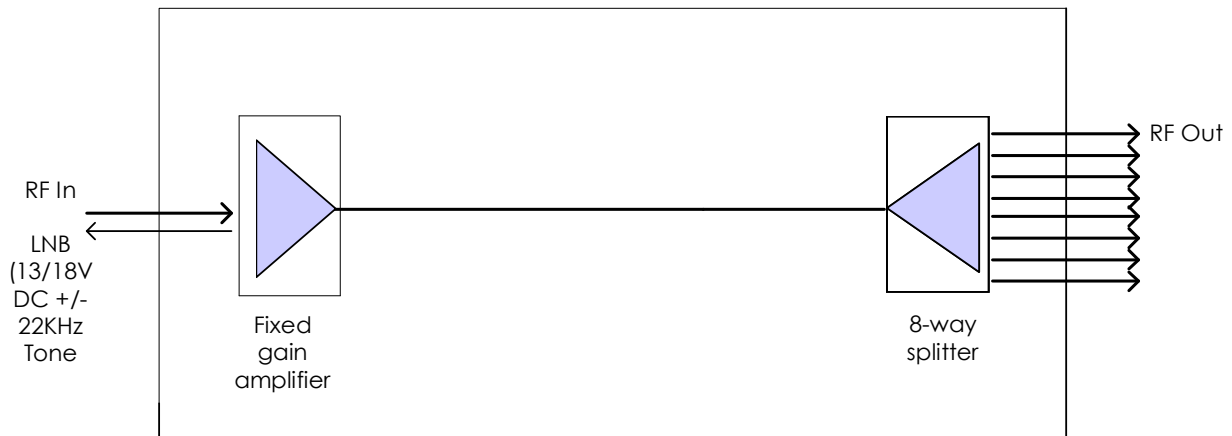
Slope Compensation: None

LNB Power: 13/18V 22KHz Tone

Slots: 2 (8 per chassis)

Other: LNB current monitoring; local & remote control

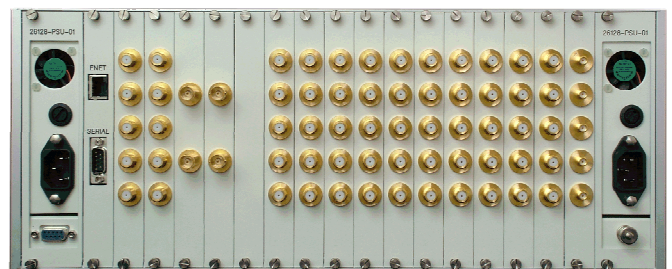
Application Notes: RF Distribution, low-cost high redundancy application



26128-DIV804 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 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 scale ability.





Model Number: 26128-DIV804-xxxx

RF Engineering
and Custom Build

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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	850-2150MHz	±1.5 dB	±1.5 dB	±1.5 dB	±1.5 dB
	Any 36MHz	±0.5dB	±0.5dB	±0.5 dB	±0.5 dB
0 dB Slope					
Input Return Loss	12 dB typical	12 dB typical	12 dB typical	12 dB typical	
Output Return Loss	12 dB typical	12 dB typical	12 dB typical	12 dB typical	
Gain	0 ± 2 dB		Fixed. Nominal mean across band		
Gain vs Frequency Slope	0 dB nominal		Fixed		
1 dB Gain Compression	+3 dBm		+5 dBm typical at output		
Noise Figure	14 dB		11 dB typical		

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

Power	
LNB Power	0/13/18V with 22kHz select, 450mA per channel available. Total LNB power per chassis is limited to approximately 100W
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

Key Features	
LNB power and 22kHz Tone	
Fixed Gain	

ETL SYSTEMS LIMITED
Coldwell Radio Station
Madley
Hereford
England HR2 9NE

TELEPHONE
+44 (0)1981 259020

EMAIL
info@etlsystems.com

FACSIMILE
+44 (0)1981 259021

WEB
www.etlsystems.com

