ETL Systems
Excelling in RF Engineering

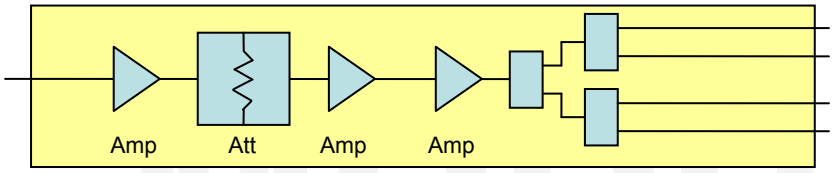
Model Number:
26128-DIV423-xxxx

4-way L-band splitter with variable gain, slope compensation & 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 scaleability.

Typical applications:
- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution, and optimum satellite signal quality
- 850-2150 MHz to cover L-band HTS applications

Splitter Modules



850 - 2150 MHz
operating frequency range

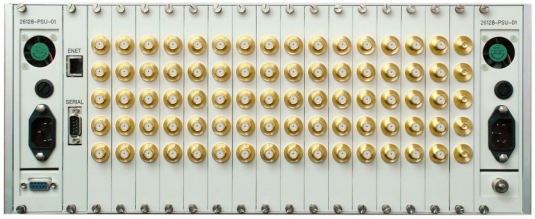
LNB Powering 0/13/18V
voltage options available with 22kHz tone

Variable gain & slope compensation 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 amplifier 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

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Splitter Module - Technical specifications and operating parameters					
Function		4-way Splitter			
Module Slots Used		1			
RF Ports		DC blocked between outputs and between output/input			
Frequency		850 to 2150 MHz (L-band)			
RF connectors		50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type
Gain Flatness	Full Band	±1.0 dB	±1.0 dB	±2.5 dB	±2.5 dB
	Any 36MHz	±0.5 dB	±0.5 dB	±1.0 dB	±1.5 dB
Gain	Maximum	28 ± 2 dB	28 ± 2 dB	28 ± 2 dB	28 ± 2 dB
	Minimum	0 ± 2 dB	0 ± 2 dB	0 ± 2 dB	0 ± 2 dB
Input Return Loss	Typical	14 dB	12 dB	12 dB	12 dB
	Minimum	11 dB	10 dB	9 dB	8 dB
Output Return loss	Typical	14 dB	12 dB	12 dB	12 dB
	Minimum	11 dB	10 dB	9 dB	8 dB
Gain Steps		1± 0.25dB Digitally controlled, 1 dB step size			
Dynamic Range		28 dB			
Slope Settings		0, +2 dB, +4 dB, + 7dB			
Isolation	Single Card	23 dB Minimum between any two output ports			
	Card-To-Card	45 dB Minimum between adjacent cards in chassis			
Noise Figure	At 0 dB Gain Setting	30 dB Typical			
	At 14 dB Gain Setting	18 dB Typical			
	At 28 dB Setting	12 dB Typical			
1 dB GCP	At 0 dB Gain Setting	0 dBm			
	At 14 dB Gain Setting	5 dBm			
	At 28 dB Setting	10 dBm			
LNB Powering		0/13/18Vdc via common (RF in) port with 22kHz tone		450mA per channel available but **total LNB power per chassis is limited to approx. 100W, depending on other modules fitted**	
Input RF power		16 dBm Absolute Maximum			
Temperature		Operating: 0 to 45˚C / Storage: -20˚C to +75˚C			
Humidity		20 - 90% non-condensing			

Chassis Specifications	
Capacity	16 splitter modules
Dimensions	4U high x 450mm deep x 19" wide
Weight	20 kg (fully populated)
Colour	White 00-E-55 semi-gloss (Front & Rear panels)
AC Power	85-264V AC (50/60Hz)
PSU	Dual redundant, hot-swap
Local Control & Monitor	Push button & display, accessible via front door
Remote Control & Monitor	Via CPU as fitted, see chassis 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.

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