ETL Systems
Excelling in RF Engineering

Model Number:
26128-DIV804-xxxx

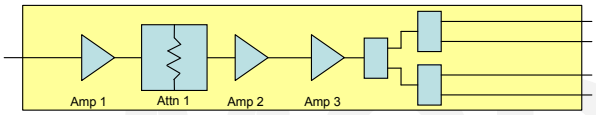
8-way L-band splitter module with fixed gain & LNB powering for 26128 modular system chassis

ETL's model 26128 Modular System offers total flexibility in managing L-band signals. The modular design comprises a chassis with 16 RF slots, hot swap dual redundant power supplies, and a hot-swap CPU module. Each chassis can hold up to 8 8-way RF splitter modules, which can be hot swapped or hot expanded. This provides excellent resilience and scalability.

Typical applications:

- Expansion of ETL's RF matrix range.
- Distribution of multiple polarities into a teleport.
- Signal distribution into standby IRD's.

Splitter Modules

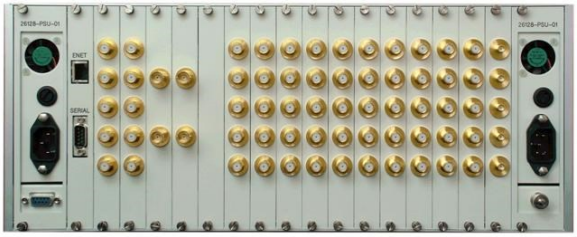


850 - 2150 MHz
operating frequency range

Fixed gain 0 dB.

LNB Powering
13/18V & 22kHz tone

Chassis



Compact chassis which can house up to 8 8-way 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

Dry contact alarm port & serial communications
for power supply status

Local control & monitoring
via LEDs on modules

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Technical specifications and operating parameters

RF Parameters					
Capacity		8-way Active Splitter			
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	± 0.5 dB	± 0.5 dB	± 0.5 dB	± 0.5 dB
Input Return Loss	Typical	12 dB	12 dB	12 dB	11 dB
	Minimum	10 dB	10 dB	10 dB	9 dB
Output Return Loss	Typical	12 dB	12 dB	12 dB	12 dB
	Minimum	10 dB	10 dB	10 dB	10 dB
Gain		0 ± 2 dB, Typical, mean across band (fixed)			
Gain vs Frequency Slope		0 dB nominal, Fixed.			
1dB Gain Compression		+3 dBm output power			
Noise Figure		14 dB			

Chassis Specifications	
Capacity	8 8-way 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
Remote Control & Monitor	Via CPU as fitted, see chassis specifications

Power	
Input RF Power	+16 dBm, absolute maximum
Max DC voltage on RF ports	24V, all RF ports are DC blocked
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 & LED display on module, 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	20 to 90% non-condensing
Altitude	10,000 feet AMSL

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.

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RoHS COMPLIANT

Pb-Free

ISO 9001 certified

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