



Model Number: 22186-F7F7

RF Engineering
and Custom Build

16-way Single L-band Active Splitter

With dual redundant amplifiers & 10MHz Pass



This is a high performance L-band splitter utilising ETL's 16-way active equalised splitter, which gives very good gain flatness and group delay.

Front View of Model 22186-F7F7

The splitter also has dual redundant amplifiers with automatic changeover based on current monitoring. A tri-state LED on the front panel displays amplifier status. The splitter is powered by DC from any of the RF output ports. The splitter also passes LNB bias, which is switchable from a internal DIL switch, and passes 10MHz via a 10MHz injection port on the rear panel.



Rear View of Model 22186-F7F7

This particular unit has 75 ohm F-type connectors, but a variety of impedances and connector types are available (model numbers will vary).





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Technical specifications and operating parameters

RF Parameters	
Capacity	16-way
Frequency Range	950 – 1750 MHz (L-band)
Gain	10 dB ± 3 dB
1dB Compression	0 dBm
Output-Output Isolation	> 25 dB
10MHz Insertion Loss	< 1 dB
10MHz Input Signal levels	-10 to + 5 dBm
Input Return Loss	> 13 dB typical
Output Return Loss	> 9 dB typical
System Control	
Display	Front Panel LED for amplifier status
Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing
Physical	
Input Connector	F-type
Input Impedance	75Ω
Output Connector	F-type
Output Impedance	75Ω
Dimensions	1U high x 350mm deep x 19" wide
Colour	White 00-E-55 semi-gloss
Power	
DC Input (injected on L-band outputs)	13 – 28 V DC
DC Output (selectable on L-band input)	Highest DC input less approx 0.35V
LNB Power	DC Pass
PSU	External DC injection only
Key Features	
An automatic, cold standby, dual redundant amplifier	
Tri-colour LED indicating status of Amplifier	

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