



Model Number: 22183-F7F7

RF Engineering  
and Custom Build

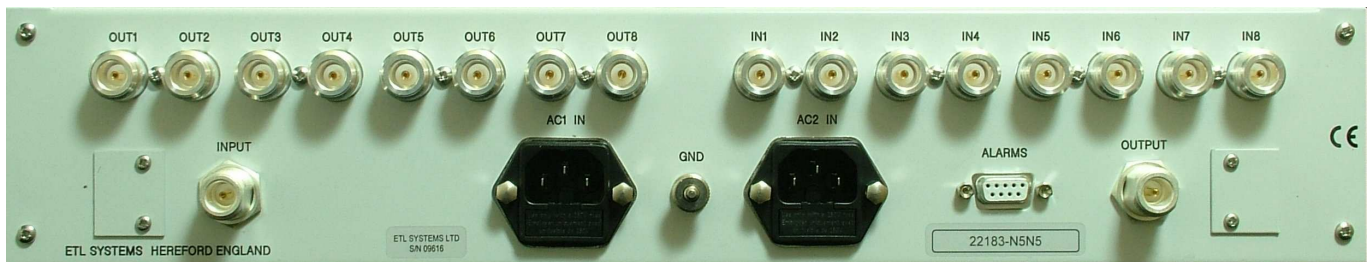
# Hybrid 8-way L-band Active Splitter & Combiner



This hybrid unit comprises of an 8-way L-band active splitter and an 8-way L-band active combiner accommodated in a 2U, 19" rack mountable chassis.

Front View of Model 22183-F7F7

The unit benefits from dual redundant power supplies, which can be monitored via the front panel status LEDs or via a dry contact alarm port on the rear panel.



Rear View of Model 22183 with 50 ohm N-type connectors

This unit has 75 ohm F-type RF connectors but other impedances and connector types are available (model number will vary).





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Technical specifications and operating parameters

## PRELIMINARY SPECIFICATIONS

RF Parameters		
<b>SPLITTER</b>		
Capacity	8-way	
Frequency Range	850-2150 MHz (L-band)	
Gain	-1 dB $\pm$ 1 dB nominal, mean	
Amplitude Variations	850-2150MHz	$\pm$ 1.0 dB
	Any 36MHz	$\pm$ 0.5 dB
1 dB Compression	0 dBm	
Input Return Loss	12 dB typical	
Output Return Loss	15 dB typical	
<b>COMBINER</b>		
Capacity	8-way	
Frequency Range	850-2150 MHz (L-band)	
Gain	-1 dB $\pm$ 1 dB nominal, mean	
Amplitude Variations	850-2150MHz	$\pm$ 1.0 dB
	Any 36MHz	$\pm$ 0.5 dB
1 dB Compression	+ 10 dBm	
Input Return Loss	15 dB typical	
Output Return Loss	15 dB typical	

System Control	
Display	Front Panel LED's for monitoring
Alarms	Dry contact alarm port on rear

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	75 $\Omega$
Output Connector	F-type
Output Impedance	75 $\Omega$
Dimensions	2U high x 350mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss

Power	
AC Power	None
LNB Power	85-264Vac 50/60Hz
PSU	Dual
Hot-swap PSU	No

Key Features	
Hybrid unit containing 1 x 8-way Splitter & 1 x 8-way Combiner	
Dual redundant power supplies	

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

