



Model Number: 22183-S5S5

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-S5S5

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 50 ohm SMA RF connectors but other impedances and connector types are available (model number will vary).





Model Number: 22183-S5S5

Hybrid 8-way L-band Active Splitter & Combiner

RF Engineering
and Custom Build

Technical specifications and operating parameters

PRELIMINARY SPECIFICATIONS

RF Parameters		
SPLITTER		
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	
COMBINER		
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	

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Physical	
Connectors	SMA
Impedance	50 Ω
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

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

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

