



Model Number: 22192-B7B7

RF Engineering
and Custom Build

Hybrid 8-way IF Active Splitter & Combiner



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

Front View of Model 22192-B7B7

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



Rear View of Model 22192 with 50 ohm BNC connectors

This particular unit has 75 ohm BNC RF connectors but other impedances and connector types are available (model numbers will vary).



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Technical specifications and operating parameters

RF Parameters		
SPLITTER		
Capacity	8-way	
Frequency Range	20-200 MHz (IF)	
Gain	1 dB \pm 1 dB	
Flatness	Over 20-200MHz	\pm 0.5 dB
	Any 36MHz	\pm 0.3 dB
Gain Compression	0 dBm	
Noise Figure	7 dB	
Input Return Loss	12 dB typical	
Output Return Loss	12 dB typical	
COMBINER		
Capacity	8-way	
Frequency Range	20-200 MHz (IF)	
Gain	1 dB \pm 1 dB	
Amplitude Variations	Over 20-200MHz	\pm 0.4 dB
	Any 36MHz	\pm 0.25 dB
Gain Compression	+ 10 dBm	
Noise Figure	17 dB	
Input Return Loss	12 dB typical	
Output Return Loss	12 dB typical	

System Control	
Display	Front Panel LED's for Power & PSU status
Alarms	Dry contact alarm port on rear panel

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	BNC
Input Impedance	75 Ω
Output Connector	BNC
Output Impedance	75 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 redundant
Hot-swap PSU	No

Key Features	
Hybrid unit containing 1 x 8-way Splitter & 1 x 8-way Combiner	
Dual redundant power supplies	
LED's on front panel to indicate PSU status	
Dry contact alarm port on rear panel for external power supply monitoring	



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