



Model Number: 22273-N5N5

Hybrid 4-way L-band Active Splitter & Combiner

With DC &10MHz Pass, & -20dB monitoring ports



This hybrid unit comprises of a 4-way L-band active splitter and a 4-way L-band active combiner accommodated in a 1U, 19" rack mountable chassis.

Front View of Model 22273-N5N5

The unit provides DC and 10MHz pass from port 1 to the common port for both the splitter and combiner ports, and 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.

This unit is also supplied with a -20dB monitoring port for both the splitter and combiner via the front panel, which monitors the output power level.

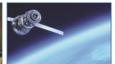


Rear View of Model 22273-N5N5

This unit has 50 ohm N-type RF connectors, but other impedances and connector types are available (model numbers will vary).

















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RF Engineering and Custom Build

Hybrid 4-way L-band Active Splitter & Combiner with DC &10MHz Pass, & -20dB monitoring ports

Technical specifications and operating parameters

RF Parameters				
SPLITTER				
Capacity		4-way		
Frequency Range		850 -2150 MHz (L-band)		
Gain		+2 dB ± 1 dB nominal, mean		
Frequency	850-2150MHz	± 1.0 dB		
Response	Any 36MHz	± 0.5 dB		
1dB Compression		0 dBm		
DC Pass		RF Port 1 to Common		
10 MHz Pass		RF Port 1 to Common		
Input Return	Loss	12 dB typical		
Output Retu	rn Loss	15 dB typical		
COMBINER				
Capacity		4-way		
Frequency R	ange	850-2150 MHz (L-band)		
Gain		+2 dB ± 1 dB nominal, mean		
Frequency Response	850-2150MHz	± 1.0 dB		
	Any 36MHz	± 0.5 dB		
1dB Compression		+10 dBm		
DC Pass		RF Port 1 to Common		
10 MHz Pass		RF Port 1 to Common		
Input Return Loss		15 dB typical		
Output Return Loss		12 dB typical		

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

System Control		
Display	Front Panel LED's for Power & PSU status	
Monitoring	-20dB Monitoring Port for Splitter & Combiner (N-type on front panel)	
Alarms	Dry contact alarm port on rear panel	

Physical		
Input Connector	N-type	
Input Impedance	50Ω	
Output Connector	N-type	
Output Impedance	50Ω	
Dimensions	1U high x 350mm deep x 19" wide	
Weight	8 kg	
Colour	White 00-E-55 semi-gloss	

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

Key Features
Hybrid unit containing 1 x 4-way Splitter & 1 x 4-way Combiner
10MHz & DC Pass
-20dB Monitoring Ports
Dual redundant power supplies

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