RF Engineering
and Custom Build

Model Number: C0801S1ULA-22279-B7B7

8-way Single L-band Active LD Series Combiner

Front View of Model C0801S1ULA-22279-B7B7

The compact 8-way active combiner is part of the LD Combiner Series and is designed to provide affordable L-band splitting in a 1U high, 19" rack mountable chassis.

Covering the full range of L-band, 850-2150MHz, this shelf also offers dual redundant power supplies.

Front panel LED's indicate the condition of the dual redundant power supplies.

Rear View of a 16-way Compact LD Series Active Combiner

This particular unit is supplied with 75 ohm BNC RF connectors, but is available in a range of impedances and RF connectors (not N-type RF connectors).

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Technical specifications and operating parameters

PRELIMINARY SPECIFICATIONS

RF Parameters	
Capacity	8- way
Frequency Range	850-2150 MHz (L-band)
Gain	0 dB ± 1.5 dB mean across band
Flatness	± 1.0 dB
1dB Compression	+10 dBm output power
IP3	+20 dBm output power
Noise Figure	26 dB
Isolation	25 dB (between any 2 output ports)
Input Return Loss	12 dB typical
Output Return Loss	12 dB typical

System Control	
Display	Front Panel LED's for PSU 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 Connectors	BNC
Input Impedance	75Ω
Output Connectors	BNC
Output Impedance	75Ω
Dimensions	1U high x 200mm deep x 19" wide
Weight	2 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	85-264V AC (50/60Hz), Fused 2A
BUC Power	None
PSU	Dual Redundant
Hot-swap PSU	No

Key Features
Housed in a compact 1U high rack
Dual redundant power supplies
Front Panel LED's for PSU status

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