



Model Number: C1601S1ULA-22280-XXXX

16-way Single L-band Active LD Series Combiner



The compact 16-way active combiner is part of the LD Combiner Series and is designed to provide affordable L-band combining in a 1U high, 19" rack mountable chassis.

Front View of Model C1601S1ULA-22280-XXXX

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

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



Rear View of model C1601S1ULA-22280-B5B5

This unit is available in a range of impedances and RF connectors (not N-type RF connectors).





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16-way Single L-band Active LD Series Combiner

RF Engineering
and Custom Build

Technical specifications and operating parameters

RF Parameters

Capacity	16 way Combiner				
Frequency Range	850-2150 MHz (L-band)				
RF Connectors	50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-type	
Gain (dB)	0± 1.5	0± 1.5	0± 1.5	0± 1.5	
Gain flatness (dB)	Full band	± 1.0	± 1.0	± 1.25	± 1.5
	Any 36 MHz	± 0.5	± 0.5	± 0.75	± 1.0
Input Return Loss	Typ.	18 dB typ	15 dB typ	12 dB typ	12 dB typ
	Min	15 dB min	12 dB min	9 dB min	9 dB min
Output Return Loss	Typ.	15dB typ	15 dB typ	12 dB typ	12 dB typ
	Min	12 dB min	12 dB min	9 dB min	9 dB min
Isolation	25 dB				
Noise Figure	26 dB				
1 dB Gain Compression	10 dBm				
OIP3	20dBm	3rd order intercept point, output power			

Physical

Dimensions	1U high x 200mm deep x 19" wide
Weight	2kg
Colour	White 00-E-55 semi-gloss

Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 –90% non-condensing
Altitude	10,000ft AMSL. Above mean sea level

Power

AC Power	85-264Vac 50-60Hz, Fused 2A
AC Consumption	10W Max AC Input
PSU	Dual redundant (Single AC Inlet. Diode OR. Not Hot Swap)
Hot-swap PSU	No

System Control

Display	Front panel LEDs for PSU status
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Key Features

Housed in a compact 1U high chassis
Front panel status LEDs for PSU status
Dual redundant power supplies

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