

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.

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.

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



Front View of Model C1601S1ULA-22280-XXXX



Rear View of model C1601S1ULA-22280-B5B5

Key Features

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

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

System Control	
Display	Front panel LEDs for PSU status

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

Environmental & Physical	
Temperature	Operating temp: 0 to 45°C Storage temp: -20°C to +75°C
Location	Indoor use only
Humidity	20 -90% non-condensing
Altitude	10,000 feet AMSL (above mean sea level)
Dimensions	1U high x 200mm deep x 19" wide
Weight	2 kg
Colour	White 00-E-55 semi-gloss

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.

Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.