

8-way Single L-band Active LD Series Combiner

The compact 8-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, which can be monitored via front panel LEDs or a dry contact alarm port on the rear panel.

This particular unit is available in a range of impedances and RF connectors; such as BNC, F-type and SMA (not N-type RF connectors).



RF Parameters					
Capacity	8-way combiner				
Frequency Range	850 to 2150MHz				
Rf Connector & impedances	50Ω BNC	50Ω SMA	75Ω F-Type	75Ω BNC	
Gain (dB)	0± 1.5				
Gain Flatness (dB)	850-2150MHz	± 1.0	± 1.0	± 1.25	± 1.5
	Any 36MHz	± 0.5	± 0.5	± 0.75	± 1.0
Input Return Loss (dB)	Typical	18	15	12	12
	Minimum	15	12	9	9
Output Return (dB)	Typical	15	15	12	12
	Minimum	12	12	9	9
Isolation	25dB between any 2 input ports				
Noise Figure	23dB				
1dB Gain Compression	10dBm				
OIP3	20dBm 3 rd order intercept point, output power				

Enviromental		
Temperature	0 to 45°C Operating	-20°C to +75°C Storage
Location	Indoor use only	
Humidity	20-90% non-condensing	
Altitude	10,000 feet AMSL	
Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A
PSU	Dual redundant with dual IEC	Diode OR.
AC Consumption	<10W	At steady state
System Control & Alarms		
Display	Front panel LEDs to indicate PSU ststus.	
Physical		
Dimensions	1U high x 350mm deep x 19" wide	
Weight	2kg	
Colour	White 00-E-55 semi-gloss	