

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.



RF Parameters					
Capacity		16-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)	Full band	± 1.0	± 1.0	± 1.25	± 1.5
	Any 36MHz	± 0.5	± 0.5	± 0.75	± 0.75
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			
Noise Figure		16dB			
1dB Gain Compression		10dBm			
OIP3		20dBm	3 rd order intercept point, output power		
3 rd Order intermodulation level		-40 dBc	With 2 equi-magnitude -13dBm carriers. Total power -10dBm.		
Input RF Power		16 dBm	Absolute maximum		
In Band Spurious		< -80 dBm			

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. Not hot-swap
AC Consumption	<10W	At steady state
System Control & Alarms		
Display	Front panel LEDs to indicate PSU sttus.	
Physical		
Dimensions	1U high x 350mm deep x 19" wide	
Weight	2kg	
Colour	White 00-E-55 semi-gloss	