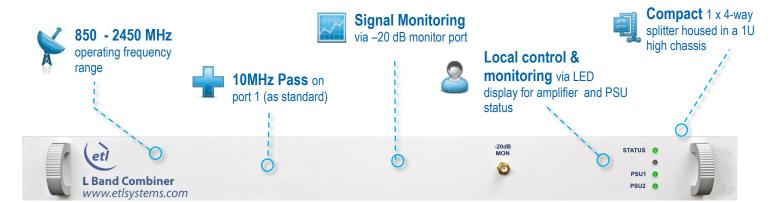


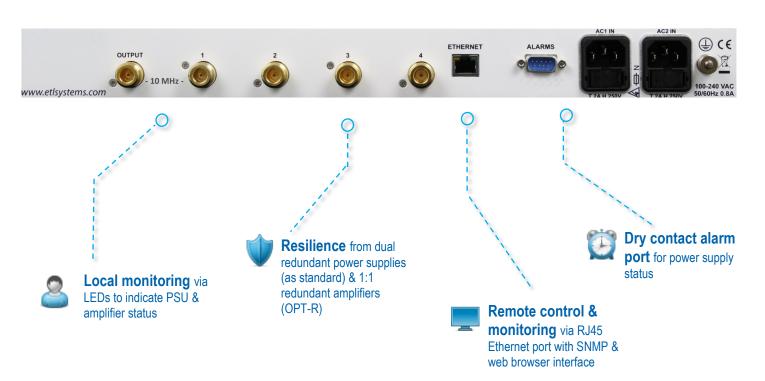
4-way Single L-Band Active Dextra Series Combiner

with 10 MHz pass to port 1, dual redundant amplifiers (OPT-R) & DC pass to port 1 (OPT-D)

Typical applications:

- Satellite operators, VSAT, teleports & broadcasters
- High resilience RF distribution, & optimum satellite signal quality





















Model Number: C0401S1ULA-22455-XXXX

Technical specifications and operating parameters

RF Parameters							
Capacity		4-way Combiner					
Frequency		850 to 2450 MHz					
Front Panel Monitor		50Ω SMA					
RF Connectors & Impedances		50Ω BNC	50Ω SMA	50Ω N-Type	75Ω F-Type	75Ω BNC	
Gain		0±1.0 dB mean across band					
Gain Flatness	Full band	±0.8 dB	±0.8 dB	±0.8 dB	±1.0 dB	±1.0 dB	
	Any 36MHz	±0.25 dB	±0.25 dB	±0.25 dB	±0.3 dB	±0.3 dB	
Input Return Loss	Typical	21 dB	21 dB	21 dB	21 dB	21 dB	
	Minimum	16 dB	16 dB	16 dB	16 dB	16 dB	
Output Return Loss	Typical	20 dB	20 dB	20 dB	20 dB	20 dB	
	Minimum	16 dB	16 dB	16 dB	16 dB	16 dB	
Group Delay	Full band	2 ns maximum					
Variation	Any 36MHz	1 ns maximum					
Amplification		Single path amplifier (standard model)					
Options	OPT-R	Dual redundant amplifier Selectable hot or cold standby, 1:1 redundancy with auto switch- over based on amplifier current monitoring.					
	OPT-D	DC Pass port 1 to common port					
	OPT-RD	Dual redundant amplifier and DC pass port 1					
10MHz Insertion Loss		<1dB Port 1 to common o		only			
Isolation	Typical	28 dB	28 dB	28 dB	28 dB	28 dB	
850-2250MHz	Minimum	24 dB	24 dB	24 dB	24 dB	24 dB	
Isolation 2250- 2450MHz	Typical	28 dB	28 dB	28 dB	24 dB	24 dB	
	Minimum	24 dB	24 dB	24 dB	22 dB	22 dB	
Noise Figure	Noise Figure		24 dB				
Output 1dB GCP		+10 dBm					
OIP3		+20 dBm					
OIP2		+30 dBm					
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		<-80dBm					

Environmental		
Operating temperature	0 to 50°C	
Location	Indoor use only	
Storage temperature	-20°C to +75°C	
Humidity	85% non-condensing. Relative Humidity.	
Altitude	10,000 feet AMSL (above mean sea level)	

Power				
PSU Power	85-264Vac 50/60Hz	Fused 2A		
LNB Power	None			
PSU Redundancy	Dual redundant with dual IEC inlets	Diode OR. Not hot-swap		
AC Consumption	<20 W	At steady state		

System Control & Alarms		
Alarms	Dry contact, change-over via 9-way D-type. Available alarms are: PSU supply. Full status and alarms are also available via the Ethernet interface.	
Remote Control and Monitoring	Via RJ45 port with 10baseT/100baseTX Ethernet offering web browser access SNMP, and ETL Proprietary TCP Protocol	
Display	Tri coloured LEDs to indicate PSU and amplifier status.	

Physical		
Dimensions 1U high x 350mm deep x 19" wide		
Weight	3.05 kg	
Colour	RAL9003- White (Semi-Matte)	

Preliminary Specifications

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.



TELEPHONE +44 (0)1981 259020

EMAIL info@etlsystems.com

FACSIMILE +44 (0)1981 259021

www.etlsystems.com









