




16-way Single IF-Band Active Dextra Series Combiner

with dual redundant amplifiers (OPT-R version) & -20 dB

Typical applications:

- Satellite operators, VSAT, teleports, and broadcasters
- High resilience RF distribution, and optimum satellite signal quality
- Redundancy applications for remote satellite ports

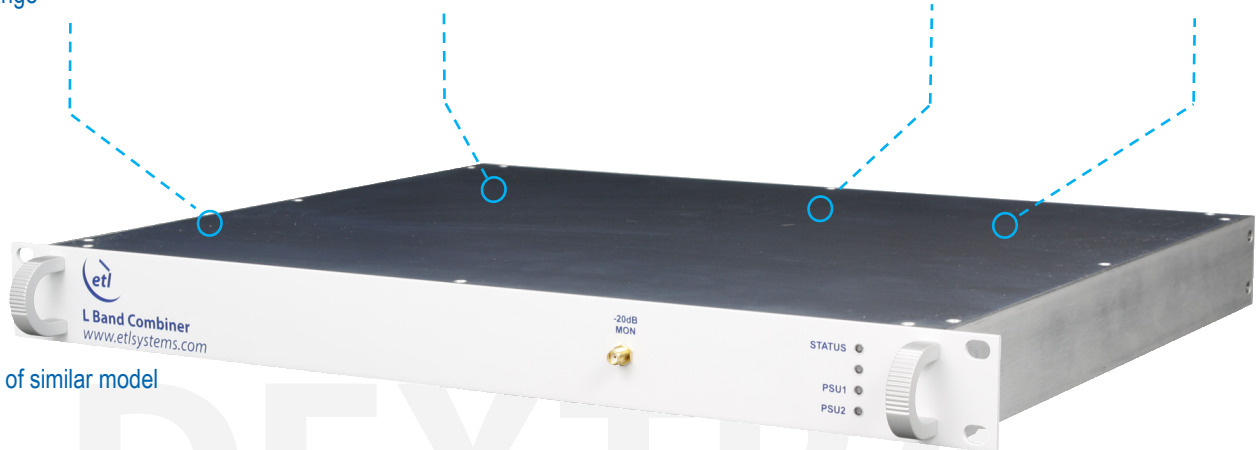
 **50 - 1000 MHz**
operating frequency range

 **Resilience** from dual redundant amplifiers (OPT-R)

 **Signal monitoring** via -20dB monitor port

 **Local Monitoring** via front panel status LEDs for amplifier & PSU

Front view of similar model



 **Compact** housed in a 1U high chassis

 **Dry contact alarm port** for amplifier & power supply status

 **Remote control & monitoring** via RJ45 Ethernet port with SNMP & web browser interface

 **Reliability** from dual redundant power supplies





Technical specifications and operating parameters

RF Parameters					
Capacity	16 way Combiner				
Frequency	50 to 1000 MHz (IF)				
Connector & impedances	50Ω SMA	50Ω BNC	75Ω BNC	75Ω F-Type	
Gain (dB)	0±1.0 dB Mean across band				
Gain flatness	Full band	±0.8 dB	±0.8 dB	±1.0 dB	±1.0 dB
	Any 36MHz	±0.25 dB	±0.25 dB	±0.3 dB	±0.3 dB
Input Return Loss	Typical	21 dB	21 dB	21 dB	21 dB
	Minimum	16 dB	16 dB	16 dB	16 dB
Output Return Loss	Typical	20 dB	20 dB	20 dB	20 dB
	Minimum	16 dB	16 dB	16 dB	16 dB
Group Delay Variation	Full band	2 ns maximum			
	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.			
Isolation at 70 MHz	Typical	30 dB	30 dB	30 dB	30 dB
	Minimum	20 dB	20 dB	20 dB	20 dB
Noise Figure	Typical	25 dB			
	Maximum	27 dB			
Output 1dB GCP	+10 dBm				
OIP3	+20 dBm				
Input RF Power	16 dBm	Absolute maximum			
In Band Spurious	< -80 dBm				

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

Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A
BUC Power	None	
PSU	Dual redundant with dual IEC	Diode OR. Not hot-swap
AC Consumption	<15W	At steady state

System Control & Alarms		
Local Control	Via Front Panel LCD	
Remote Control	Via RJ45 Ethernet port, TCP/IP, SNMP & Web browser interface.	
Monitoring	Local	Indication LEDs with an SMA monitor port (on front panel). PSU and Summary dry contact alarms.
	Remote	Alarms: Dry contact, change-over via 9-way D-type. Full status and alarms are also available via the Ethernet interface.

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

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.