16-way Single IF-Band Active Dextra Series Combiner

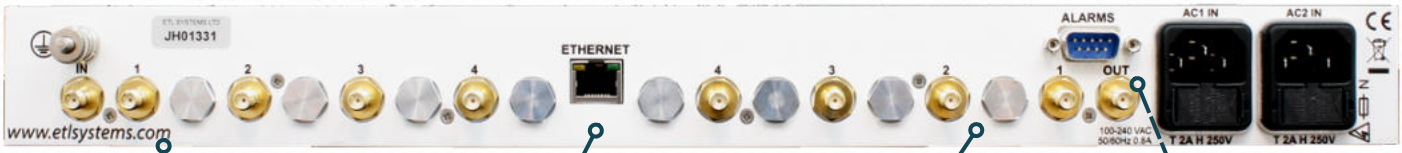
with dual redundant amplifiers (OPT-R version) & -20 dB

50-1000MHz
operating frequency range

Resiilience
from dual redundant amplifiers (OPT-R)

Signal monitoring
via -20dB monitor port

Local Monitoring
via from panel status LEDs for amplifier & PSU



Compact
housed in a 1U high chassis

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

Reliability
dfrom dual redundant power supplies

Dry contact alarm port
ffor amplifier & power supply status

RF Parameters					
Capacity		16-way combiner			
Frequency Range		50 to 1000 MHz (IF)			
Rf Connector & impedances		50Ω BNC	50Ω SMA	75Ω F-Type	75Ω BNC
Gain		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	21dB	21dB	21dB	21dB
	Minimum	16dB	16dB	16db	16dB
Output Return	Typical	20dB	20dB	20dB	20dB
	Minimum	16dB	16dB	16dB	16dB
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	30dB	30dB	30dB	30dB
	Minimum	20dB	20dB	20dB	20dB
Noise Figure	Typical	Typical 25dB		Maximum 27dB	
Output 1dB GCP		+10dBm			
OIP3		+20 dBm			
Input RF Power		16 dBm		Absolute maximum	
In Band Spurious		< -80 dBm			
Enviromental					
Temperature		0 to 50˚C Operating		-20˚C to +75˚C Storage	
Location		Indoor use only			
Humidity		85% non-condensing. Relative Humidity.			
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		<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	
Weight	3.05Kg
Dimensions	1U high x 350mm deep x 19” wide
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.