

8-way Single L-band Active Dextra Series Combiner

With dual redundant amplifiers (OPT-R version) & -20 dB monitoring port

850-2450MHz

operating frequency
range. Ka-band ready

Local Monitoring

via front panel status LEDs for
PSU supply and amplifier status



Signal Monitoring

via -20 dB monitor port to
measure input signals

Compact

housed in a 1U high chassis



Dry contact alarm port
for power supply status

Remote control & monitoring

via RJ45 Ethernet port with
SNMP & web browser
interface

Resilience

from dual redundant
power supplies & dual
redundant amplifiers
(Optional: OPT-R)

RF Parameters						
Capacity		8 way combiner				
Frequency Range		850 to 2450MHz				
Front Panel Monitor		50Ω SMA -20 dB, 16 dB return loss				
Rf Connector & 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	21dB	21dB	21dB	21dB	21dB
	Minimum	15db	16dB	16dB	16db	16dB
Output Return	Typical	19dB	20dB	20dB	20dB	20dB
	Minimum	15dB	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 850-2250MHz	Typical	28db	28dB	28dB	28dB	28dB
	Minimum	24dB	24dB	24dB	24dB	24dB
Isolation 2250-2450MHz	Typical	28db	28dB	28dB	24dB	24dB
	Minimum	24dB	24dB	24dB	22dB	22dB
Noise Figure		24dB				
Output 1dB GCP		+10dBm				
OIP3		+20 dBm				
OIP2		+30dBm				
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				

Physical		
Weight	3.05Kg	
Dimensions	1U high x 350mm deep x 19” wide	
Colour	White 00-E-55 semi-gloss	
Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A
PSU	Dual redundant with dual IEC inlets.	Diode OR.
AC Consumption	<20W	At steady state
System Control & Alarm		
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.	

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.