

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

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

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

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.