



# 8-way Dual Active Dextra Series IF Splitter

with dual redundant amplifiers (OPT-R version)

**Typical applications:**

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



**50 - 1000 MHz**  
operating frequency range



**Compact dual 8-way splitter** housed in a 1U high chassis



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



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



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



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



**Resilience** from dual redundant amplifiers (OPT-R version only) & power supplies





**Technical specifications and operating parameters**

RF Parameters						
Capacity	Dual 8-way splitter					
Frequency Range	50-1000 MHz (1F)					
Front Panel Monitor	50Ω SMA	-20 dB, 16 dB return loss				
RF Connectors & Impedances	50Ω SMA	50Ω BNC	50Ω N-type	75Ω BNC	75Ω F-type	
Gain	0 ±1.2 dB Mean across band					
Gain Flatness	Full Band	±1.5 dB	±1.5 dB	±1.8 dB	±2.0 dB	±2.0 dB
	Any 36MHz	±0.3 dB	±0.3 dB	±0.35 dB	±0.5 dB	±0.5 dB
Input Return Loss	Typical	20 dB	20 dB	20 dB	20 dB	20 dB
	Minimum	16 dB	16 dB	16 dB	16 dB	16 dB
Output Return Loss	Typical	21 dB	21 dB	21 dB	21 dB	21 dB
	Minimum	16 dB	16 dB	16 dB	16 dB	16 dB
Isolation @ 70 MHz	Typical	30 dB	30 dB	30 dB	30 dB	30 dB
	Minimum	20 dB	20 dB	20 dB	20 dB	20 dB
Isolation @ 1000MHz	Typical	21 dB				
	Minimum	16 dB				
Group Delay Variation	Full Band	2 ns maximum				
	Any 36MHz	1 ns maximum				
Amplification	Single path amplifier (standard model)					
Amplifier Option	Dual redundant amplifier, selectable hot or cold standby, 1:1 redundancy with auto switch-over based on amplifier current monitoring .					Option: OPT-R
Noise Figure	15 dB (typical)					
Output 1dB GCP	0 dBm					
OIP3	+10 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
Altitude	10,000 feet AMSL (above mean sea level)

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

System Control	
Monitoring & Remote Control	RJ45 port with 10baseT/100baseTX Ethernet offering web browser access, SNMP & ETL proprietary TCP protocol
Alarms	Dry contact, change-over via 9-way D-type. Available alarms are: PSU and summary alarm. Full status & alarms are also available via the Ethernet interface.
Display	Tri colour LEDs to indicate PSU & LNB status via front panel.

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	3.1 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.

