



Model Number: D0104Q2ULA-XXXX-D8

4-way Quad L-band Active Splitter

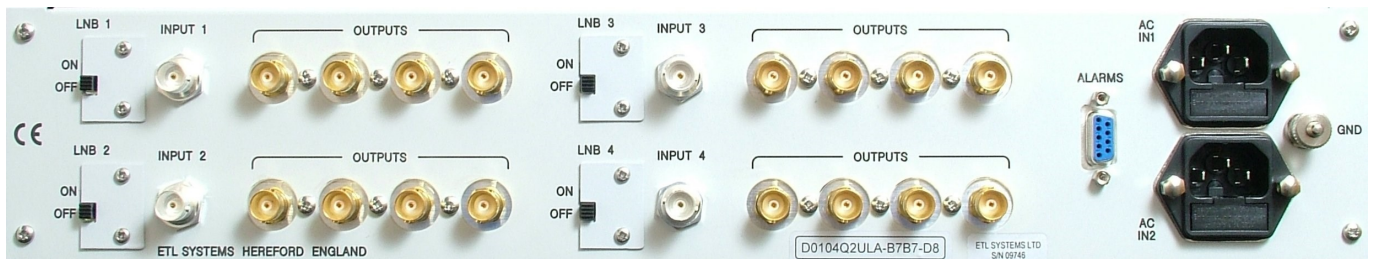
with switchable LNB Powering



Front view of Model D0104Q2ULA-XXXX-D8

This splitter shelf contains 4 of ETL's 4-way active equalised splitter modules, housed in a 2U shelf. This unit benefits from dual redundant power supplies for reliability in service. Front panel LEDs provide a visual status for the power supplies, and monitoring can also be done via a dry contact alarm port on the rear panel.

This unit also provides LNB powering, which can be switched on/off from the rear panel for each individual splitter.



Rear view of Model D0104Q2ULA-B7B7-D8 (with 75 ohm BNC connectors)

This unit is available in a variety of impedances and connector types (model numbers will vary).



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RF Engineering and Custom Build

4-Way Quad L-band Active Splitter with switchable LNB Powering

Technical specifications and operating parameters

RF Parameters						
Capacity		4-way (quad)				
Frequency Range		850-2150 MHz (L-band)				
Input & Output Ports		50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type
Gain (dB)		0±1.5 typical, mean	0±1.5 typical, mean	0±1.5 typical, mean	0±2 typical, mean	0±2 typical, mean
Flatness	850MHz-2150 MHz	±1.25 dB	±1.25 dB	±1.25 dB	±1.5 dB	±1.5 dB
	Any 36MHz. band	±0.5 dB	±0.5 dB	±0.5 dB	±0.75 dB	±0.75 dB
Input Return Loss	Typ.	16 dB	16 dB	16 dB	12 dB	12 dB
	Min.	10 dB	10 dB	10 dB	8 dB	8 dB
Output Return Loss	Typ.	18 dB	18 dB	16 dB	14 dB	14 dB
	Min.	12 dB	12 dB	12 dB	10 dB	10 dB
Noise Figure		7 dB typical				
1 dB Compression		0 dBm				
Isolation		23 dB max. between any two output ports				

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss (front panel)

Power	
AC Power	85-264V AC (50/60Hz), Fused 2A
AC Consumption	30W, max. consumption at steady state
LNB Power	18Vdc, 0.5A via common (RF in) ports. Controlled by rear panel switches
PSU	Dual Redundant and Alarmed
Hot-swap PSU	No

System Control	
Display	Front panel LED's for Power & PSU status
Alarms	Dry contact alarm port on rear panel for PSU failure

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing
Altitude	10,000 feet AMSL

Key Features	
Quad 4-way splitter	
Switchable LNB powering (on/off)	
Dual redundant power supplies	
Dry contact alarm for PSU failure	
LEDs for PSU status	



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