



Model Number: D0108S1UBA-22362-xxxx

8-way Single VHF (170-230MHz) Active Splitter

With low noise dual redundant amplifiers, remote control & monitoring via RJ45 Ethernet port.



Front View of Model D0108S1UBA-22362-N5N5

This is an Rx side 8-way splitter for VHF (170-230MHz) receive applications where LOW NOISE, GOOD RETURN LOSS and HIGH RESILIENCE are required typically for onward transmission. The splitter is fitted with dual redundant power supplies and benefits from automatic, cold standby and dual redundant amplifiers. LNAs are used to give a low noise figure.

Front panel LED's provide a visual status of the power supplies and amplifiers, and monitoring can also be done via a dry contact alarm port on the rear panel for PSU failure.



Rear View of Model D0108S1UBA-22362-N5N5

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



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Technical specifications and operating parameters

RF Parameters						
Capacity	8- way					
Frequency Range	170-230 MHz (VHF)					
Gain	7 dB \pm 1 dB nominal, mean across band					
RF Connectors	50 Ω SMA	50 Ω N-type	50 Ω BNC	75 Ω BNC	50 Ω F-type	
Flatness	Typ.	\pm 1.0 dB	\pm 1.0 dB	\pm 1.0 dB	\pm 1.0 dB	\pm 1.0 dB
	Min.	\pm 0.5 dB	\pm 0.5 dB	\pm 0.5 dB	\pm 0.5 dB	\pm 0.5 dB
Input Return Loss	Typ.	23 dB	23 dB	20 dB	14 dB	14 dB
	Min.	20 dB	19 dB	18 dB	12 dB	12 dB
Output Return Loss	Typ.	23 dB	23 dB	20 dB	14 dB	14 dB
	Min.	20 dB	20 dB	18 dB	12 dB	12 dB
Isolation	20 dB port to port, minimum					
Noise Figure	4 dB					
1 dB Gain Compression Point	5 dB					
Amp Redundancy	1-to-1 redundant		Cold redundancy & current sensing			

System Control	
Display	Front panel LED's for PSU & splitter amplifier status
Alarms	Dry contact 9w D-type on rear for PSU failure, SNMP traps for status and PSU alarms
Remote Control & Monitoring	Via RJ45 Ethernet port, 10baseT, web browser interface & SNMP

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing Relative Humidity

Physical	
Dimensions	1U high x 350mm deep x 19" wide
Weight	4 kg
Colour	White 00-E-55 semi-gloss

Power	
AC Power	85-264Vac 50/60Hz
AC Consumption	0.4A
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	No

Key Features	
VHF (170-230MHz) Passive Splitter/Combiner	
Dual redundant low noise amplifiers	
Remote Control & Monitoring with web browser interface and SNMP	
Front panel status & dry contact alarm port for monitoring	



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