

Model Number: D0116S1UIA-22248

16-way Single IF Active Splitter

With Dual Redundant Amplifiers

Typical applications:



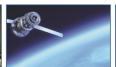
- Satellite operators, VSAT, teleports, and broadcasters
- IPTV and DTH headend content distribution
- High resilience RF distribution where optimum satellite signal quality is required
- Redundancy applications for remote satellite teleports
- SNG and Outside Broadcast Trucks





















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16-way Single IF Active Splitter With dual redundant amplifiers

Technical specifications and operating parameters

RF Parameters							
Capacity		16 way					
Frequency Range		20-200 MHz (IF)					
RF Connectors		50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Gain		0±2.0 dB					
Flatness	Full band	±1.0 dB	±1.0 dB	±1.0 dB	±1.5 dB	±1.5 dB	
	Any 36MHz	±0.35 dB	±0.35 dB	±0.40 dB	±0.50 dB	±0.50 dB	
Return Loss	Typical	16 dB	16 dB	14 dB	12 dB	12 dB	
	Minimum	12 dB	12 dB	12 dB	10 dB	10 dB	
Isolation	Typical	28 dB					
	Minimum	23 dB					
Amplifier option		Dual redundant amplifier, cold standby, 1:1 redundancy with auto switch -over based on amplifier current					
Noise Figure		12 dB					
Output 1 dB GCP		+3 dBm					
Input RF Power		+ 16 dBm			Absolute maximum		

Environmental								
Operating temperature	0 to 50°C							
Location	Indoor use only							
Storage temperature	-20°C to +75°C							
Humidity	85% non-condensing							
Power								
PSU Power	85-264Vac 50-60Hz	Fused 2A						
AC Consumption	<10W	At steady state						
LNB Power	None							
PSU	Dual redundant with dual IEC inlets	Diode OR. Not hot swap						
Hot-swap PSU	No							
RF Monitoring	None							
System Control								
Display	Front Panel LEDs for PSU & amplifier status							
Alarms	Dry contact (D-type) alarms for PSUs and amplifier status							
Physical								
Dimensions	1U high x 200mm deep x 19" wide							
Weight	3 kg							
Colour	White 00-E-55 semi-gloss							

PRELIMINARY

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.









