



Model Number: D0116S2UIA-xxxx

RF Engineering  
and Custom Build

# 16-way Single IF Active Splitter

With Dual Power Supplies



This single 16-way active splitter operates over the IF frequency range IF (20-200MHz) and benefits from dual redundant power supplies and unity gain.

### 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



RF connector options: A range of connector types and impedances are available (model numbers will vary).

### Benefits & features:

- Housed in a 2U high chassis
- Dual redundant power supplies for reliability in service.
- Front panel monitoring of PSU status via LEDs.
- Alarms for PSU failure via D-type, dry contact alarm port.



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## Technical specifications and operating parameters

RF Parameters						
Capacity	16 way Splitter					
Frequency Range	20-200 MHz (IF)					
RF Connectors	50Ω SMA	50Ω N-type	50Ω BNC	75Ω BNC	75Ω F-type	
Gain	0±1.0 dB	0±1.0 dB	0±1.0 dB	0±1.0 dB	0±1.0 dB	
Flatness	Full band	±1.0 dB	±1.0 dB	±1.0 dB	±1.5 dB	±2.0 dB
	Any 36MHz	±0.25 dB	±0.25 dB	±0.25 dB	±0.50 dB	±0.75 dB
Input Return Loss	Typical	20 dB	18 dB	18 dB	10 dB	10 dB
	Minimum	18 dB	16 dB	16 dB	10 dB	10 dB
Output Return Loss	Typical	16 dB	14 dB	14 dB	10 dB	10 dB
	Minimum	14 dB	12 dB	12 dB	10 dB	10 dB
1 dB Gain Compression	5 dBm		1 dB Gain Compression point, output power			
OIP3	+ 14 dBm		3rd order intercept point, output power			
Isolation	> 21 dB		Between any two output ports			
Group Delay	≤ 1.0 ns		Pk - pk, any 60MHz segment			
Noise Figure	12 dB		Typical			
Input RF Power	16 dBm		Absolute Maximum			
MTBF	356,756 hours					

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

Power		
AC Consumption	5W	Max. consumption at steady state
LNB Power	None	
PSU Power	85-264Vac 50/60Hz	Fused 2A
PSU Redundancy	Dual Redundant	
Hot-swap PSU	No	
Alarms	Dry Contact (D-type)	PSU Status

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

PRELIMINARY SPECIFICATIONS



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