

ALB129 Series

Compact 4W/6W Ku Band Block-Up Converter

Designed to mount directly to the feedhorn, suitable for mobile and satellite uplink applications.

Light in weight yet power efficient and high performance in power linearity. Robust and reliable to operate under harsh outdoor environment. Simple operation feature make this ideal for mobile flyaway and SOTM systems.

Features

- Feed mountable
- Low cost and compact package
- Auto gain control throughout operating temperature
- DC input 15 to 32Vdc
- Wide operating temperature -40°C to +60°C
- Fanless option available
- IP65 Weatherproof
- RoHS Compliant

Quality Assurance

100% thorough stringent quality checks in addition to well-defined Electrical Stress Screening to ensure operation in harsh outdoor environment conditions. All subjected to seal test for water ingression verification.

Reliability

Field proven under harsh environment conditions. Agilis ODUs can withstand temperature ranging from -40°C to +60°C under 100% humidity.

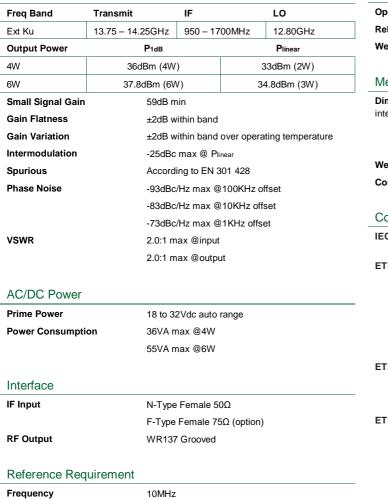


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Technical Specifications

RF Specifications





-135dBc/Hz max @1KHz offset



Environmental

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Operating Temperature	-40°C to +60°C Up to 100%		
Relative Humidity			
Weatherproof	IP65		
Mechanical			
Dimension (excluding interface connectors)	L130 x W100 x H52mm (4W) L5.12" x W3.94" x H2.05"		
	L130 x W100 x H60mm (6W) L5.12" x W3.94" x H2.36"		
Weight	0.85Kg / 1.87lbs		
Colour	White Powder Coated (standard)		
Compliance Standard			
IEC 609501-2nd Edition	International Safety Standard for Information Technology Equipment		
ETSI EN 301 489-12	Electromagnetic Compatibility and Radio Spectrum Matters (ERM); Electro Magnetic Compatibility (EMC) Standard for radio equipment and services; Part 12: Specific conditions for Very Small Aperture Terminal, Satellite Interactive Earth Stations operated in the frequency ranges between 4GHz and 30GHz in the Fixed Satellite Service (FSS)		
ETSI EN 301 489-1	Electromagnetic Compatibility and Radi Spectrum Matters (ERM); Electro Magneti Compatibility Standard for Radio Equipment an Services		
ETSI EN 301 428	Satellite Earth Stations and Systems (SES); Harmonized EN for Very Small Aperture Terminal (VSAT); Transmit-only, transmit/receive or receive-only satellite earth stations operating in the 11/12/14 GHz frequency bands covering essential requirements under article 3.2 of the R&TTE directive		
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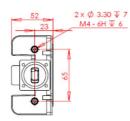
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Standard Part List for Standalone Configuration

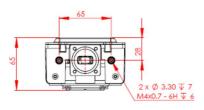
ITEM	PRODUCT NAME	OPTION	PART NUMBER	QTY	DESCRIPTION
1	BUC			01	BUC
2	Mounting Accessory Set			01	Mounting screws including gasket for flange WR75

Mounting Diagram

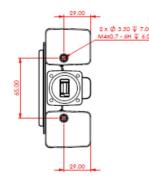
RF Out Side View – 4W

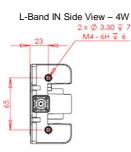


RF Out Side View - 6W

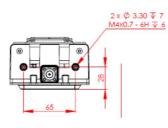


RF Out Side View - 6W Fanless

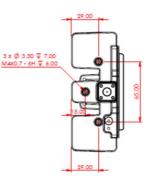


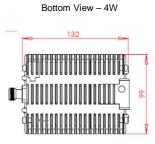


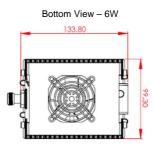
L-band IN Side View – 6W



L-band IN Side View - 6W Fanless







Bottom View - 6W Fanlless

