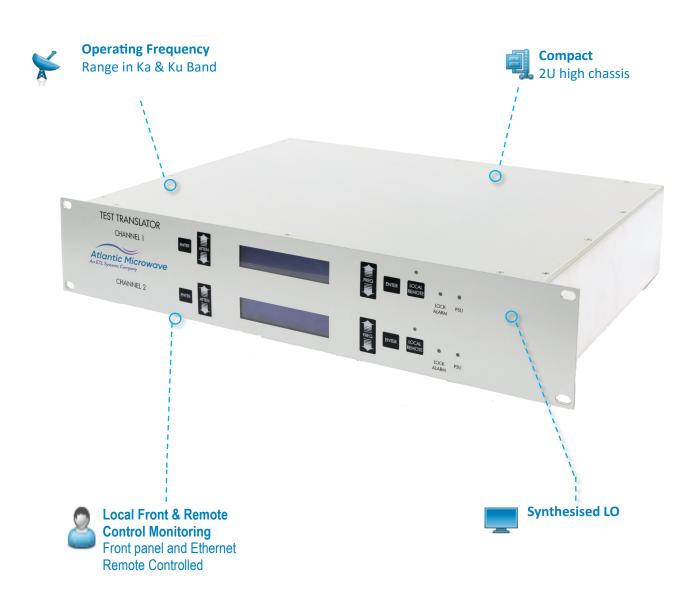


## **Test Loop Translator -**Dual Channel

The ALD series of Ka and Ku Band Test Loop Translators feature dual channel operation with the ability to introduce different transfer characteristics in each channel.

## **Typical applications:**

- Synthesised LO
- Simultaneous Operation
- Local & Remote Ethernet Control
- Extremely Versatile
- Standard & Custom Options



















General Specification		Environmental				
Maximum Input Level	+10dBm	Operating Temperature	0 to ±50C (see entions)			
Conversion Gain Flatness	+/-2dB typ. +/-0.5dB/40MHz max	Operating Temperature 0 to +50C (see options)				
Impedance	50 ohms	Storage Temperature -10 to +70C				
Input VSWR	1.3:1 typical	Physical				
Output VSWR	1.3:1 typical	i nyotati				
Signal Related Spurious	-25dBc typical	Dimensions 19" x 1U x 13.5" (343mm) excl. connector & protrusions			nnectors	
LO Related Spurious &	-30dBm typical		α ρισιιμείστιε			
Non Signal or LO Related	-60dBm minimum	Fixed LO Phase Noise dBc/Hz (typical) (GHz)				
Lock Alarm	LED, Front Panel & Ethernet	Offset Frequency	2.0	10.0	12.0	27.0
Input Connector	2.92mm Female Ka band SMA Female Ku Band	Onset Frequency	2.0	10.0	12.0	21.0
		100Hz	-80	-70	-65	-60
Output Connector	SMA Female	1KHz	00	-85	-75	70
Reference Input Connector	BNC Female	ΙΝΠΖ	-90	-00	-10	-70
Ethernet Connector	RJ45	10KHz	-95	-90	-80	-75
Power		100KHz	-95	-90	-80	-80
Input Power	80-240V, 50-60Hz					
Input Power Connector	IEC with Fuse	1MHZ	-120	-115	-115	-110

General Specification							
Model Number	Direction	Input Frequency Range	Output Frequency Range	LO Frequency Range			
ALD-Ka-1001	Channel 1	27.5-31.5GHz	0.95-1.70 GHz	26.55-29.80GHz			
	Channel 2	0.95-1.70 GHz	17.7-21.2GHz	16.75-19.50GHz			
ALD-Ku-1002	Channel 1	12.75-14.5GHz	0.95-1.70 GHz	11.80-13.05GHz			
	Channel 2	0.95-1.70 GHz	17.7-21.2GHz	9.75-11.05GHz			

## Options:

TLT01 1.0dB Attenuation Steps

TLT02 Input/Output Filters for 60dB Isolation

TLT03 LO Filter for 60dB LO Rejection

TLT04 Input/Output Isolators for 1.3:1 VSWR

TLT05 Outdoor Weatherproof Housing -20 to +70C (No LCD)

TLT06 Internal Battery Charger

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.

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