

# A1 Microwave

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A1 Microwave is a leading designer and manufacturer of filters, diplexers, power combiners, couplers and adaptors for satcoms, telecoms, radar, medical and scientific applications.

A1 Microwave also provides standard and custom waveguide components and assemblies including : straights, bends, twists and flexibles.

A1 Microwave is ITAR free and provides a **Fast delivery and No NRE** (on standard designs) by using sophisticated in-house design and simulation software, all new **designs are "right first time"** allowing the design to move from the design computer to the machine shop without the need for prototyping. **Stock filters available for immediate despatch.**

A1 Microwave has full in house CNC machining, turning, brazing, hard and soft soldering and bending facilities.



## Ordering information :- Model number **PB1325WB** K-band Satcom Upconverter Filter

Bandpass filter is designed for K band satcoms upconverter applications for suppressing LO leakage from the mixer.

Passband		29.3 to 30.0 GHz
Passband insertion loss		0.9 dB typical
Passband return loss		20 dB min
Passband group delay variation		1.3 ns typical
Rejection:	from DC to 28.4 GHz	90 dB min
	32 to 36 GHz	90 dB min
Overall length		120 mm max
Connectors		K female (alternative flanges and coax interfaces available)

