

# 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 **PB1070WB** DBS Satcoms Converter Filter

Designed for DBS band satcoms upconverter applications for suppressing TX band spurious and LO leakage from the mixer.

Passband	17.3 to 18.1 GHz
Passband insertion loss	1.0 dB typical
Passband return loss	20 dB typical
Passband group delay variation	2.3 nS typical

Rejection :	from DC to 16 GHz	90 dB min
	at 17.05 GHz	55 dB min
	from 18.55 to 18.9 GHz	80 dB min

Overall length	160 mm nominal
Weight	110 g
Connectors	SMA female (alternatives available)

