

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 **PB1181WB** DBS band Satcom Upconverter Filter

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

Passband	17.6 to 18.4 GHz
Passband insertion loss	1.0 dB typical
Passband return loss	20 dB min
Passband group delay variation	2.7 ns typical
Rejection:	from DC to 17.35 GHz 60 dB min
	18.85 to 22 GHz 80 dB min
Overall length	160 mm
Connectors	SMA female (alternative flanges and coax interfaces available)

