

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 **PB1582CB-SF/SF-B** C-band Satcom Upconverter Filter

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

Passband	5.7 to 6.725 GHz
Passband insertion loss	0.3 dB typical
Passband return loss	18 dB typical
Rejection:	from DC to 5 GHz 40 dB min
	from 7.6 to 13 GHz 40 dB min
Overall length	90 mm nominal
Connectors	SMA female (see web site for alternative flanges and paint codes)

