

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 **PB1076CB** Ku-band Satcoms Upconverter plug in filter

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

Passband 13.75 to 14.5 GHz

Passband insertion loss 1.5 dB typical

Passband group delay variation 1.1 nS typical

Rejection : from DC to 12.8 GHz 80 dB min

from 15 to 16.8 GHz 60 dB min

Overall length 70 mm nominal

Connectors Removable SMA to allow direct plug in

