

# 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 **PB1024CB** X-band Satcoms Downconverter Filter

Designed for X band satcoms downconverter applications for suppressing LO leakage from the mixer.

Passband 7.25 to 7.75 GHz

Passband insertion loss 0.5 dB typical

Rejection : from DC to 6.3 GHz 70 dB min

Stopband extends to beyond 20 GHz

Overall length 90 mm nominal

Connectors SMA female (alternatives available)

