

# 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 **PB1045IB** Satcom IF Filter

Designed for satcoms up and down converter applications for suppressing LO leakage from the mixer, adjacent channels and other broad band spurious.

Centre frequency	3950 MHz
Bandwidth	50 MHz
Passband insertion loss	3 dB typical
Passband return loss	20 dB min
Passband group delay variation	6 ns typical over +/- 18 MHz

Rejection: centre frequency +/- 70 MHz 90 dB min

Overall dimensions 235 x 65 x 15 mm nominal

Connectors SMA female (alternative coax interfaces available)

