

# 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 **PB1043IB** 5 GHz Radar Filter

Designed for radar applications for suppression of interfering signals. By using a temperature compensated design the critical phase and amplitude response are preserved over a wide operating temperature range

Centre frequency	5.3 GHz
Bandwidth	50 MHz nominal
Passband insertion loss	1.0 dB max
Phase shift with temperature	0.1 degree per degree C typical

Rejection : from 5 to 5.15 GHz 70 dB min

Connectors SMA female (alternatives available)

