

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 **PB1470WA** Ku-band Satcom receive radar and TX reject filter

Designed for Ku band satcoms to protect receivers from unwanted interference from radars and transmitters

Passband 10.7 to 12.75 GHz

Passband insertion loss 0.3 dB max

Passband return loss 20 dB min

Passband group delay variation 0.8 ns typical

Rejection: from DC to 9.9 GHz 65 dB min

from 13.5 to 15.25 GHz 85 dB min

Overall length 240 mm nominal,

Flanges UBR 120 (alternative flanges available)

