

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 **PB1530WB** Ku-band Satcom receive radar reject filter

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

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|--------------------------------------|---|
| Passband | 10.95 to 12.75 GHz |
| Passband insertion loss | 0.1 dB typical |
| Passband return loss | 23 dB typical, 20 dB min |
| Passband group delay variation | 0.7 ns typical |
| Rejection: | |
| from DC to 9.5 GHz | 85 dB min |
| from 14.2 to 15 GHz | 40 dB min |
| Separation of waveguide centre lines | 107 mm nominal, |
| Flanges | UBR 120 (alternative flanges available) |

