

# 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 **PB1442WN** C-band Satcoms Receiver TX Reject Filter

Designed for use as an input filter in C-band satcoms receivers to suppress transmit band signals.

Passband	3.6 to 4.2 GHz
Passband insertion loss	0.1 dB max
Passband return loss	25 dB typical
Rejection :	from 5.9 to 6.4 GHz 70 dB typical, 65 dB min, ( higher rejection models available )

Overall length	161 mm nominal
Weight	870 g

Flanges	CPR 229G & CPR229-F tapped 1 4—20 (alternatives available)
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