

# 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 **PB1114WN** Ku-band Satcom Receive Filter

Designed for Ku band satcoms receiver applications to suppress transmitter leakage into the LNB.

Passband 10.7 to 12.8 GHz

Passband insertion loss 0.1 dB typical

Passband return loss 20 dB typical

Passband group delay variation 0.6 ns typical

Rejection: from 14 to 14.5 GHz 70 dB min

Overall length 47 mm

Flanges Special compact flange  
(alternative flanges and coax interfaces available)

