

# 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 **PB1529WN** Ku-band Satcom Receive Filter

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

Passband	10.7 to 12.75 GHz
Passband insertion loss	0.2 dB typical
Passband return loss	24 dB typical
Passband group delay variation	0.9 ns typical

Rejection: from 13.75 to 14.5 GHz 90 dB min

Overall length 85 mm

Flanges PBR 120 (alternative flanges and coax interfaces available)

