

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 **PB1315WA** X-band Satcom Transmission Filter

Designed for X band satcoms applications for protecting LNA / LNB receivers from amplifier noise and unwanted harmonics

Passband	7.9 to 8.4 GHz
Passband insertion loss	0.6 dB typical
Passband return loss	20 dB typical
Passband group delay variation	5.6 ns typical
Rejection: from 7.25 to 7.75 GHz	60 dB min
Upper stopband extends to	33.6 GHz, 4th harmonic
Overall length	370 mm nominal
Flanges	PBR + UBR 84 (alternative interfaces available)

