

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 **PB1423WA** X-band transmit filter assembly

Designed for X band satcoms transmitter applications for suppressing RX band noise and harmonics from the amplifier.

Passband	7.9 to 8.4 GHz
Passband insertion loss	0.46 dB typical, 0.5 dB max
Passband return loss	20 dB typical, 18 dB min

Rejection :	from 7.25 to 7.75 GHz	90 dB min
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Overall length excluding U bend	531 mm max,
Flanges	PBR 84 + UBR 84 (alternatives available)

