

# A1 Microwave

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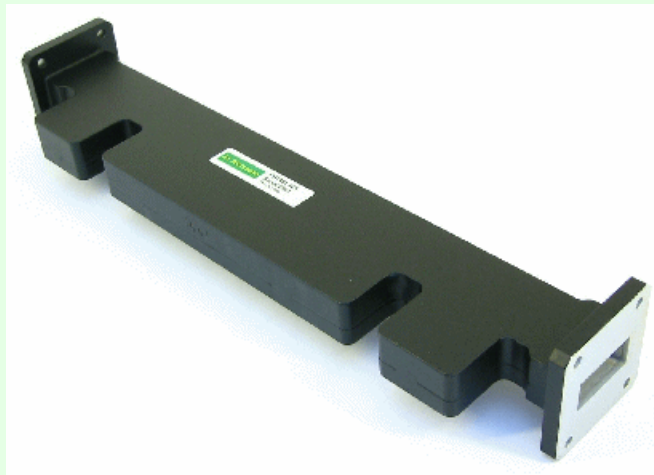


A1 Microwave is a leading designer and manufacturer of filters, diplexers, power combiners, couplers and adaptors for satcoms, telecoms, radar, medical and scientific applications.

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 **PB1481WA** X-band transmit filter assembly

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

Passband		7.9 to 8.4 GHz
Passband Insertion loss		0.4 dB typical, 0.5 dB max
Passband return loss		22 dB typical, 20 dB min
Rejection	from 7.25 to 7.75 GHz	90 dB min
Overall length		300 mm
Flanges		CPR 112 F with thru holes 0.169 to 0.172" CPR 112 G with tapped holes 8-32 (alternatives available)

