

# 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 **PB1580WA** X-band Satcoms RX Reject Filter with circulator.

Designed for X band satcoms receiver applications for suppressing Receive band signals.

Passband	7.9 to 8.4 GHz
Passband insertion loss	0.4 dB typical
Passband return loss	20 dB typical
Rejection :	from 7.25 to 7.75 GHz 90 dB min
Overall length	232 mm nominal
Flanges	Custom flanges (see web site for alternative flanges and paint codes)

