

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 **PB1030WB** X-band TX filter

Designed for use as an input filter in X-band satcoms HPAs to suppress input broad band noise.

Passband	7.9 to 8.4 GHz
Passband insertion loss	0.4 dB typical
Passband return loss	20 dB min
Passband group delay variation	2.5 ns typical

Rejection:	from DC to 6.95 GHz	90 dB min
	from 7.25 to 7.75 GHz	35 dB min

Overall length 200 mm nominal

Connectors SMA female (alternative connectors and waveguide flanges available)

