

# 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 **PB1143WL** Ku-band Satcom TX Harmonic Reject Filter

Designed for Ku-band satcoms transmitter applications for suppressing unwanted transmitter harmonics.

Passband	13.75 to 14.5 GHz
Passband insertion loss	0.15 dB max
Passband return loss	25 dB min
Rejection:	
2nd harmonic	60 dB min
3rd harmonic	90 dB min
Overall length	85 mm nominal
Flanges	UBR 120 + PBR 120 (alternative flanges available)

