

# 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 **PB1097WB** Ku-band Satcoms Downconverter Filter

Designed for Ku band satcoms to suppress transmit band interference and LO leakage from the mixer.

Passband	12.4 to 12.7 GHz
Passband insertion loss	0.3 dB max
Passband group delay variation	0.25 nS typical
Rejection :	
from DC to 10.7 GHz	70 dB min
from 14.4 to 15.5 GHz	30 dB min
Overall length	110 mm nominal
Connectors	SMA female (alternative flanges and coax interfaces available)

