

# 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 **PB1150WB** Ku-band Satcom Downconverter Filter

Designed for Ku band satcoms downconverter applications for suppressing LO leakage from the mixer.

|                                 |  |
|---------------------------------|--|
| Passband                        | 11.7 to 12.75 GHz  |
| Passband insertion loss         | 0.3 dB typical   |
| Passband return loss            | 20 dB min  |
| Passband group delay variation  | 0.7 ns typical   |
| Rejection: from DC to 10.75 GHz | 55 dB min  |
| Overall length                  | 131 mm max   |
| Connectors                      | SMA female (alternative flanges and coax interfaces available) |

