

# 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 **PB1590WB-UB/UB-B** Ku-band Satcom Transmit Filter

Bandpass filter designed for Ku band satcoms transmitter applications for suppressing broad band noise in the receive band from a transmitter output.

|                                 |  |
|---------------------------------|--|
| Passband                        | 12.75 to 13.25 GHz   |
| Passband insertion loss         | 0.18 dB typical  |
| Passband return loss            | 20 dB min  |
| Rejection: from DC to 12.25 GHz | 60 dB min  |
| Overall length                  | 125 mm nominal   |
| Flanges                         | UBR 120 (see web site for alternative flanges and paint codes) |

