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.

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Ordering information: Model number **PB1594WB Ka-band Satcoms Transmitter Filter**

Designed for K-band Satcoms Transmitter applications for suppressing Local Oscillator and receive band signals

- **Passband**: 27.5 to 30 GHz
- **Passband insertion loss**: 1.6 dB max
- **Passband return loss**: 16 dB typical, 12 dB min
- **Rejection**: from DC to 27 GHz 55 dB min
  - from 30.5 to 30.8 GHz 30 dB min
  - from 30.8 to 32 GHz 70 dB min
- **Overall length**: 150 mm excluding connectors
- **Connectors**: K type male and K type female
  (see web site for alternative connectors, flanges and paint codes)

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All information is correct at date of issue. Specifications are subject to change without notice

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