

# 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 **PB1819WB-UB/KF-B-31150/300** Ka band Fixed Link Channel Filter

Designed for Fixed Link Radio applications for the rejection of adjacent channels

Centre frequency of example filter 31.15 GHz, please specify centre frequency on order

Bandwidth of example filter 300 MHz, please specify bandwidth on order

Centre frequency insertion loss of example filter 1.5 dB max

Passband return loss 18 dB min

Rejection of example filter : CF +/- 350 MHz 30 dB min, this is dependant on passbandwidth

Interfaces on example filter UB = UBR320 and KF = K type female  
please specify interfaces on order

Paint B = Black

(see web site for alternative connectors, flanges and paint codes)

