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 PB1041WB Ku-band Satcoms Downconverter Filter

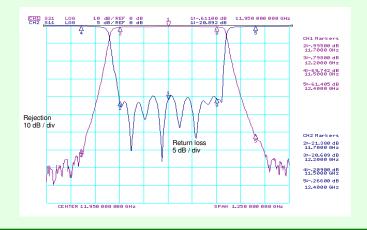
Designed for Ku band satcoms receiver applications for suppression of local oscillator leakage through the mixer and transmitter interference.

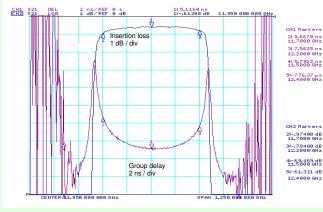
Passband 11.7 to 12.2 GHz Passband insertion loss 1.0 dB max Passband group delay variation 3.6 nS typical

60 dB min from DC to 11.5 GHz Rejection: 12.4 to 15.5 GHz 50 dB min

Overall length 212 mm nominal

Connectors SMA female (Waveguide alternatives available)





2:-.97400 dB 11.7000 GHz 3:-.78400 dB 12.2000 GHz 4:-69.469 dB 11.5000 GHz