## 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 PB1643CB Ku-band TX filter

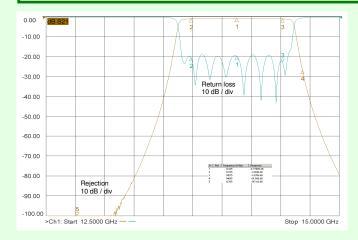
Designed for use as an input filter in Ku band satcoms HPAs to suppress input broad band noise.

Passband 13.7 to 14.5 GHz
Passband insertion loss 1 dB typical
Passband return loss 18 dB typical

Rejection: from DC to 12.75 GHz 80 dB min

from 14.7 to 14.8 GHz 20 dB min from 17 to 30 GHz 80 dB min 90 mm

Connectors SMA female (alternative coax interfaces available)



Overall length

