

# 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 **PB1694WB** K-band Satcom Transmitter Filter

Designed for K band satcoms transmitter applications for suppressing LO leakage from the mixer and broad band noise.

Passband	28 to 28.5 GHz
Passband insertion loss	1.0 dB max
Passband return loss	18 dB min
Passband group delay variation	0.8 ns max
Rejection: from DC to 27.05 GHz	80 dB min
from 28.95 to 34 GHz	30 dB min

Overall length	75 mm max
Connectors	K type female and UBR 260

(see web site for alternative flanges and paint codes)

