

# 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 **PB1623CB Ka-band Satcoms Transmitter Filter**

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

Passband		23.96 to 27.04 GHz
Passband insertion loss		2.0 dB max
Passband return loss		16 dB typical, 12 dB min
Rejection:	from DC to 23.3 GHz	55 dB min
	from 29 to 33 GHz	80 dB min
	from 33 to 40 GHz	70 dB min

Overall length 54.45 mm excluding connectors

Connectors K type male and K type female

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

