

# A1 Microwave

Web: <http://www.A1Microwave.com>

Email: [A1sales@A1Microwave.com](mailto:A1sales@A1Microwave.com)



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 **PB1107CB** X-band Satcoms Downconverter Filter

Designed for X band satcoms downconverter applications for suppressing transmit band signals and LO leakage from the mixer.

Passband		7.25 to 7.75 GHz
Centre frequency insertion loss		1.5 dB max
Passband return loss		18 dB min
Passband group delay variation		5.6 ns typical
Rejection:	at 6.3 GHz	> 100 dB min
	from 7.9 to 8.4 GHz	60 dB min
Overall length		130 mm nominal
Connectors		SMA female + male (alternatives available)

