

A1 Microwave

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

Email: 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 **PB1404WA** Ku-band Satcom receive radar and TX reject filter

Designed for Ku band satcoms to protect receivers from unwanted interference from radars and transmitters

Passband		10.95 to 12.75 GHz
Passband insertion loss		0.15 dB max
Passband return loss		20 dB min
Passband group delay variation		0.9 ns typical
Rejection:	from DC to 9.5 GHz	80 dB min
	from 9.5 to 10.45 GHz	30 dB min
	from 14 to 14.5 GHz	90 dB min, 75 db min 13.75 to 14 GHz

Overall length 100 mm nominal,
also available without U bend as PB1100WA

Flanges UBR 120 (alternative flanges available)

