

A1 Microwave

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

Email: A1sales@A1Microwave.com

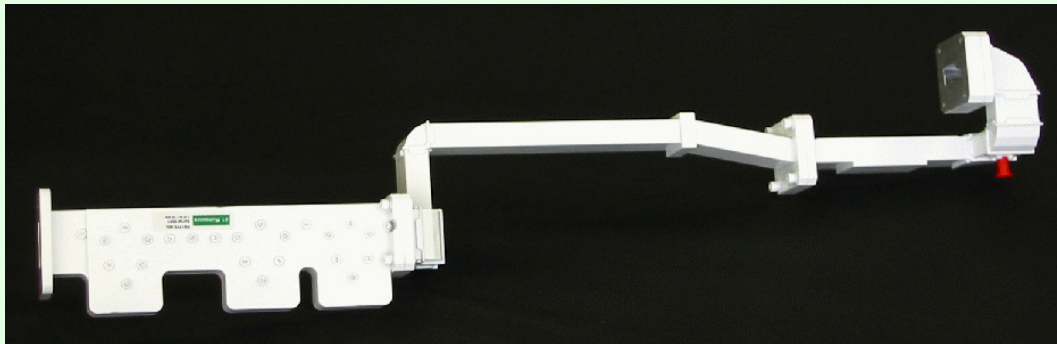


A1 Microwave is a leading designer and manufacturer of filters, diplexers, power combiners, couplers and adaptors for satcoms, telecoms, radar, medical and scientific applications.

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 **PB1778WA** X-band receive filter and waveguide assembly

Designed for X band satcoms transmitter applications for suppressing transmit band interference

Passband		7.25 to 7.75 GHz
Passband Insertion loss		0.5 dB typical, 0.6 dB max
Passband group delay variation		5.2 nS typical
Passband return loss		20 dB typical, 17 dB min
Coupled port, non directional		-50 dB nominal
Rejection	from 6.9 to 7.1 GHz	35 dB min
	at 7.825 GHz	15 dB min
	from 7.9 to 8.4 GHz	100 dB min
	from 8.4 to 10.7 GHz	100 dB min

Flanges CPR 112 F (see web site for alternative flange and paint codes)

