

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 **PB1781WB** X-band transmit filter

Designed for X band satcoms transmitter applications for suppressing receive band noise

Passband		7.9 to 8.4 GHz
Passband Insertion loss		0.7 dB typical, 0.9 dB max
Passband group delay variation		9.7 nS typical
Passband return loss		20 dB min
Rejection	from DC to 7.75 GHz	140 dB min
	at 7.825 GHz	60 dB min
	at 7.845 GHz	30 dB min
	from 8.6 to 9 GHz	20 dB min
	from 9 to 11.8 GHz	80 dB min

Flanges **UBR + PBR 84**
(see web site for alternative flange and paint codes)

