

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 **PB1732WB** X-band transmit filter

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

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|--------------------------------|--|---------------------------------------|
| Passband | | 7.9 to 8.4 GHz |
| Passband Insertion loss | | 0.5 dB typical, 0.8 dB max |
| Passband group delay variation | | 7.2 nS typical |
| Passband return loss | | 20 dB min |
| Rejection | from DC to 7.75 GHz | 110 dB min |
| | at 7.8 GHz | 75 dB min |
| Overall length | | 260 mm nominal |
| Flanges | | input WG15 CPR112F, output WG14 UDR70 |
| Paint | NATO Green Infra Red Reflective Matt (see web site for alternative flange and paint codes) | |

