

# A1 Microwave

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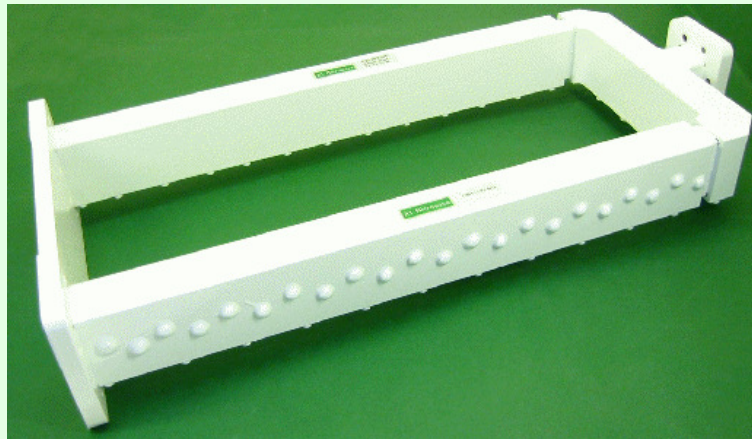


A1 Microwave is a leading designer and manufacturer of filters, diplexers, power combiners, couplers and adaptors for satcoms, telecoms, radar, medical and scientific applications.

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 **PB1597WD** X-band Satcoms Diplexer.

Designed for X band satcoms applications for separating Transmit and Receive band signals.

Passbands	7.25 to 7.75 GHz and 7.9 to 8.4 GHz
Passband insertion loss	RX 0.3 dB typical, TX 0.4 dB typical
Passband return loss	18 dB min all ports
Rejection in RX filter :	from 7.9 to 8.4 GHz 50 dB min
Rejection in TX filter :	from 7.25 to 7.75 GHz 65 dB min
Overall length	350 mm nominal
Flanges	CPR 112 F, CPR 112 G on antenna port (see web site for alternative flanges and paint codes)

