

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 **PB1507WA** Ku-band Satcom Diplexer with rotary joint

Designed to connect a transmitter and a receiver to a common antenna port with minimum insertion loss and maximum isolation between the two channels.

Passbands	10.95 to 12.75 GHz and 13.75 to 14.5 GHz
Diplexer passband insertion loss	0.2 dB typical
Passband return loss	20 dB min
Rejection: of transmitter in RX arm	110 dB min
of receiver in TX arm	40 dB min
Overall length	350 mm
Flanges	Special circular, PBR 120 and special 120

