

# 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 **PB1311WD** Ku-band Satcom RX Diplexer

Designed to separate low and high receive bands from a common antenna port with minimum insertion loss and minimum size.

Passbands	10.95 to 11.45 GHz and 12.25 to 12.75 GHz
Passband insertion loss	0.1 dB typical
Passband return loss	20 dB min
Rejection: of alternate band	35 dB min
Overall length	100 mm
Port separation	65 mm (alternative separations are available)
Flanges	UBR 120 (alternative flanges and coax interfaces available)

