

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 **PB1783WD K / Ka-band Satcom Diplexer**

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	18.2 to 22 GHz and 27.5 to 31 GHz
Passband insertion loss	0.4 dB typical
Passband return loss	18 dB min
Rejection: between bands	80 dB min
Overall length	80 mm
Port separation	25 mm (alternative separations are available)
Flanges	Antenna UBR 260, RX UBR 220, TX UBR 320 (see web site for alternative connectors, flanges and paint codes)

