

# 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 **PB1515WX** C-band Satcom coupler

Designed for C band satcoms applications to monitor or inject signals into the main waveguide.

Passband	3.625 to 4.2 GHz
Forward coupling	30 dB +/- 1.0 dB, flatness 0.3 dB typical
Directivity	20 dB min
Overall length	120 mm
Flanges	CPR 229 G
Coupled port	SMA female

(see web site for alternative flanges and paint codes)

