

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 **PB1943WT** K-band Satcom WG20 Waveguide to Coax Transition

Designed to cover both the K band receive band in a short overall length.

Passbands	18 to 21 GHz
Passband insertion loss	0.2 dB typical, 0.3 dB max
Passband return loss	20 dB typical
Operating temperature range	-55 to + 85 degrees C
Overall length	30 mm
Flange	UBR 220 (alternative flanges available)
Coaxial connector	SMA female PB1943WT-UB/SF-B SMA male PB1943WT-UB/SM-B (alternative connectors available)