

# A1 Microwave

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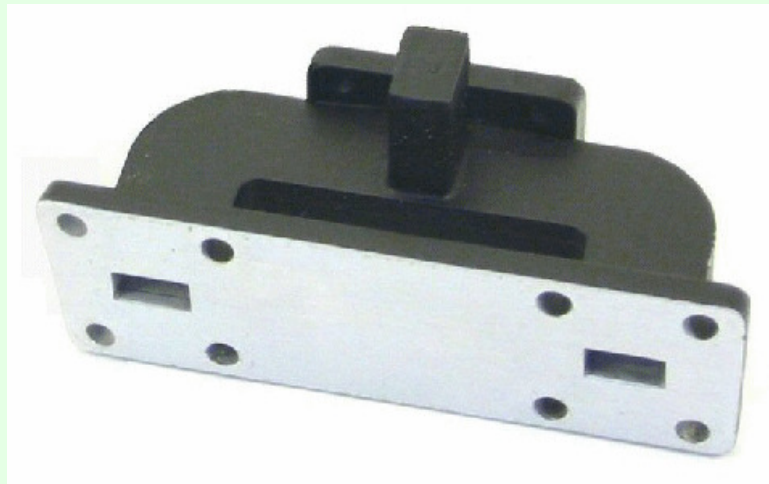


A1 Microwave is a leading designer and manufacturer of filters, diplexers, power combiners, couplers and adaptors for satcoms, telecoms, radar, medical and scientific applications.

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 **PB1637WA** Ka-band Transmit Magic-Tee 2 way combiner

Designed for Ka band satcoms transmitter applications for combining 2 solid state power amplifiers.

Passband	27 to 31 GHz
Passband insertion loss	0.3 dB typical, 0.35 dB max
Passband input return loss	18 dB typical, 16 dB min
Passband output return loss	12 dB typical
Amplitude matching between input	+/- 0.1 db typical, +/- 0.25 dB max
Phase matching between input ports	+/- 7 degrees typical
Flanges	UBR 220 (alternatives available)

