

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 **PB1130WA** X-band Satcom Dual Transmit Filters

Designed as a pair of bandpass filters for X band satcoms applications for protecting the receiver from interference

Passband, both filters	7.9 to 8.4 GHz
Passband insertion loss	0.7 dB typical
Passband return loss	20 dB min
Coupled port on filter 2	-20 dB nominal
Rejection: from 7.25 to 7.75 GHz	60 dB min, filter 1
from 7.25 to 7.75 GHz	70 dB min, filter 2
Overall length	400 mm
Connectors	SMA female (alternative flanges and coax interfaces available)

