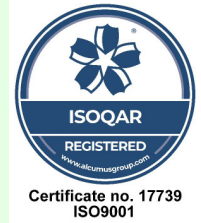


A1 Microwave

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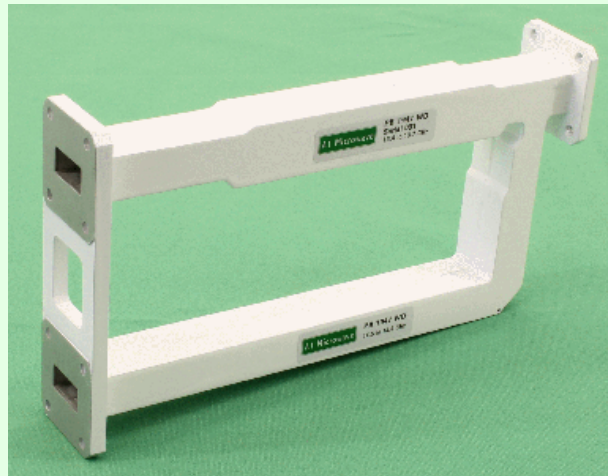


A1 Microwave is a leading designer and manufacturer of filters, diplexers, power combiners, couplers and adaptors for satcoms, telecoms, radar, medical and scientific applications.

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 **PB1950WD** K-band Satcom Diplexer

Designed to connect 2 systems to a common antenna port with minimum insertion loss and maximum isolation between the two channels.

Passbands		21.4 to 22.08 GHz and 24.65 to 25.25 GHz
Passband insertion loss	low band	0.2 dB typical
	high band	0.3 dB typical
Passband return loss		18 dB min
Rejection:	of other band	120 dB min
Overall length		100 mm
Port separation		65 mm (alternative separations are available)
Flanges		UBR 220 (alternative flanges and coax interfaces available)

