

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 **PB1643CB** Ku-band TX filter

Designed for use as an input filter in Ku band satcoms HPAs to suppress input broad band noise.

Passband	13.7 to 14.5 GHz	
Passband insertion loss	1 dB typical	
Passband return loss	18 dB typical	
Rejection:	from DC to 12.75 GHz	80 dB min
	from 14.7 to 14.8 GHz	20 dB min
	from 17 to 30 GHz	80 dB min
Overall length	90 mm	
Connectors	SMA female (alternative coax interfaces available)	

