

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 **PB1645WN K-band Satcoms Receiver Filter**

Designed for K-band Satcoms Receiver applications for suppressing transmit band signals

Passband	17.7 to 22 GHz	
Passband insertion loss	0.1 dB max	
Passband return loss	22 dB typical	
Rejection:	from 27.5 to 31 GHz	85 dB min, 90 dB typical
Overall length	50.8 mm	
Flanges	UBR 220 with clearance holes	
	(see web site for alternative connectors, flanges and paint codes)	

