## A1 Microwave

Web: http://www.A1Microwave.com



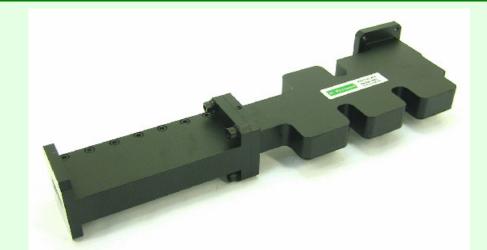
Email: A1sales@A1Microwave.com

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 PB1751WA 9 GHz Radar Filter

Designed for radar applications for suppression of spurious signals and harmonics.

Passband

Passband Insertion Loss Passband Return Loss Passband power handling

Rejection : from 6 to 9 GHz from 10 to 20 GHz 9.345 to 9.45 GHz 0.4 dB typical, 0.5 dB max 20 dB min 30 kW Peak 1uS pulse at sea level 60 dB min 60 dB min

Overall Length Flanges 280 mm UBR100 (see web site for alternative connectors, flanges and paint codes)

s.345000 GHz 9.450000 GHz 0.090000 GHz 0.000000 GHz 9.345000 GHz 9.345000 GHz 9.345000 GHz 0.000000 GHz 0.00 0.00 2 -90.432 dE -69.467 dE -25.199 dE -31.225 dE -1.00 -10.00 Insertion loss 1 dB / div -2.00 -20.00 -3.00 -30.00 -4.00 -40.00 Return loss 10 dB / div -5.00 -50.00 -6.00 -60.00 -7.00 -70.00 Rejection 10 dB / div -8.00 -80.00 Group delay 10 nS / div -9.00 -90.00 -100.00 44444 414444 41444 d Balla Made -10.00 >Ch2: Start 9.00000 GHz Stop 10.0000 GHz Ch2: Start 8.20000 GHz Stop 11.0000 GH;