

where design meets manufacturing

Since 2001 A1 Microwave has brought high quality technically advanced microwave filtering products to the Satcom, Radar and Fixed Link communications markets..

**Fast delivery and No NRE** (on standard designs) is achieved 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.

With in house CNC machining, turning, brazing, hard and soft soldering and bending facilities A1 Microwave can design or build to print a complete range of custom waveguide components and assemblies.



Ordering information :- Model number **PB1691CB** K-band Satcom Downconverter Filter

Designed for K band satcoms downconverter applications for suppressing LO leakage from the mixer.

|                                 |  |
|---------------------------------|--|
| Passband                        | 19.2 to 19.7 GHz   |
| Passband insertion loss         | 1.0 dB max   |
| Passband return loss            | 18 dB min  |
| Passband group delay variation  | 0.8 ns max   |
| Rejection: from DC to 18.25 GHz | 60 dB min  |
| at 20.15 GHz                    | 25 dB min  |
| Overall length                  | 70 mm max  |
| Connectors                      | SMA female (alternative flanges and coax interfaces available) |

