

ATC 500-01

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ATC/4G H-PLANE FOLDED FILTER

BSC have leveraged over 30 years of waveguide design experience to produce a range of filters suitable for incorporation into Air Traffic Control (ATC) systems either as a retrofit or new OEM design. Designs can be optimised for use within the transmit chain, protecting sensitive 4G/LTE mobile phones and base stations; or within the receive chain to mitigate the desensitising effects of adjacent 4G/LTE cell towers.

Passband:	2.72 to 3.1 GHz
Insertion Loss:	0.4 dB max
Group Delay Variation:	12 nS max
Return Loss:	18 dB min
Rejection from DC to 2.675 GHz:	60 dB min
Rejection from 3.4 to 3.5 GHz:	45 dB min
Rejection from 3.5 to 3.6 GHz:	50 dB min
Power Handling:	200 W peak
Operating temperature:	0 to 70°C
Connectors:	WG10 Flange SMA Male
External Finish:	Matt Black
Dimensions:	448.2 x 271 x 63.4 mm

