

# ATC 501-01

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## ATC/4G INLINE 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:	2.74 to 2.9 GHz
Insertion Loss:	0.26 dB max
Group Delay Variation:	12 nS max
Return Loss:	19 dB min
Rejection from DC to 2.69 GHz:	80 dB min
Rejection from 3.15 to 3.6 GHz:	70 dB typical
Power Handling:	35 kW max
Operating temperature:	0 to 40°C
Connectors:	WG10 Flange
External Finish:	Gloss Black
Dimensions:	815 x 181.7 x 82 mm

