

# ATC 503-01

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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:	2.745 to 3.055 GHz
Insertion Loss:	0.2 dB max
Deviation from Linear Phase:	1° / any 5 MHz
Group Delay Variation:	60 nS max
Return Loss:	17 dB min
Rejection from 2.5 to 2.675 GHz:	50 dB min
Rejection from 3.4 to 3.75 GHz:	50 dB min
Power Handling:	10 kW normal 65 kW in fault condition
Operating temperature:	-40 to 52°C
Connectors:	WG10 Flange
External Finish:	Matt Black
Dimensions:	400 x 180 x 380 mm

