

# ATC 505-01

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## ATC/4G RECEIVE 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:	2.75 to 2.9 GHz
Insertion Loss:	0.4 dB max
Passband Flatness:	0.4 dB max
Group Delay Variation:	20 nS max
Return Loss:	17 dB min
Rejection from DC to 2.7 GHz:	60 dB min
Rejection from 3.1 to 3.6 GHz:	60 dB min
Power Handling:	300 W peak
Operating temperature:	10 to 40°C
Connectors:	N-Type Female N-Type Male
External Finish:	Matt Black
Dimensions:	440 x 261 x 55 mm

