

ATC 506-01

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ATC/4G E-PLANE 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.

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|---------------------------------|----------------------------|
| Passband: | 2.75 to 3.051 GHz |
| Insertion Loss: | 0.25 dB max |
| Return Loss: | 18 dB min |
| Rejection from DC to 2.6 GHz: | 55 dB min |
| Rejection from 2.6 to 2.69 GHz: | 50 dB min |
| Rejection from 3.4 to 3.5 GHz: | 52 dB min |
| Rejection from 3.5 to 3.6 GHz: | 58 dB min |
| Power Handling: | 10 kW peak |
| Operating temperature: | 0 to 50°C |
| Connectors: | WG10 Flange |
| External Finish: | Matt Black |
| Dimensions: | 540 x 295 x 140 mm typical |

