

## Features:

- Filtronic Proprietary, Architecture Significantly Reduced Overall Size, Weight and Cost
- Combines 2 Continuous LTE800 Blocks With No Loss of Spectrum
  - 5.5MHz centre-to-centre for 5MHz LTE
  - 10MHz centre-to-centre for 10MHz LTE
- Very Low Loss, < 0.65 dB Typical
- High Power Handling – 3KW per Input
- Sealed to IP67 for Outdoor Installations

## Filter Specifications

Passband BTS1A / BTS1B  
 Passband BTS2A / BTS2B  
 Cross Over Point BTS1/BTS2  
 Guard Band BTS1/BTS2

5/10MHz LTE block factory tuneable within 800MHz band  
 Factory tuneable to any LTE block size within 800MHz band  
 Factory tuneable within 800MHz band  
 1MHz, 10MHz Carrier spacing for two 10MHz LTE signals

## Uplink (RX) Specifications

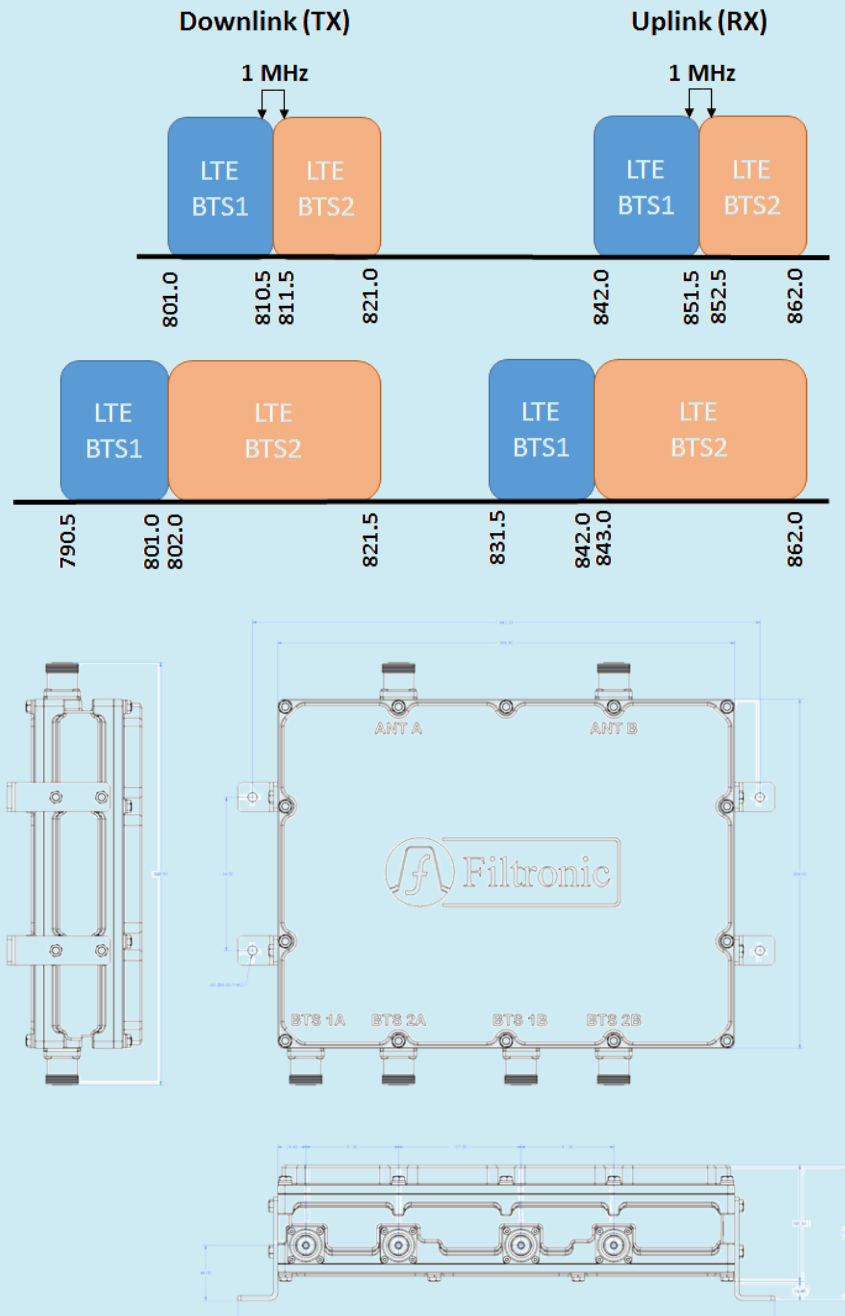
Insertion Loss  
 BTS1A, to ANTA, BTS1B to ANTB  
 BTS2A, to ANTA, BTS2B to ANTB  
 Return Loss

0.65dB (10MHz LTE), 1.3dB CW  
 0.65dB (10MHz LTE), 1.3dB CW  
 > 18 dB

## Downlink (TX) Specifications

Insertion Loss  
 BTS1A, to ANTA, BTS1B to ANTB  
 BTS2A, to ANTA, BTS2B to ANTB  
 Return Loss  
 IMD in RX Band  
 Input Power  
 Power Conditions

0.65dB (10MHz LTE), 1.3dB CW  
 0.65dB (10MHz LTE), 1.3dB CW  
 > 18dB  
 > 160 dBc (2 x +43dBm tones)  
 > 150W RMS, >3.0KW PIP  
 2:1 Antenna VSWR, +65C Case Temp



## BTS to BTS Isolation

BTS 1A – BTS 2A / BTS 1B – BTS 2B > 20dB (RX Band)  
> 30dB (TX Band)

## Configuration Example

Passband BTS1A / BTS1B  
Passband BTS2A / BTS2B

811.5 to 821.0 MHz TX, 852.5 to 862.0 MHz RX  
801.0 to 810.5 MHz TX, 842.0 to 851.5 MHz RX

## Mechanical

Connectors  
Dimensions

6 x 7/16 DIN Female, Long Neck  
399 x 350 x 85 mm  
Excluding Connectors and mounting brackets

Weight  
Colour  
Mounting arrangements

10.5 kg (23.14 lbs)  
Light grey powder coat  
Pole, Tray or Wall

## Environmental

Operating Temp (°C)  
Altitude  
Ingress Protection  
RoHS/WEEE  
Salt Fog

-30 to +50  
2500 m  
IP67  
Compliant  
GR-487

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