

## Features:

- Dual Unit in a Single Box
- 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
- Includes Low Loss Combining of Full-Band EGSM 900MHz on a Separate Port
- DC and AISG Bypass Path Factory Configurable on 800MHz Path

## Filter Specifications

Passband BTS1A / BTS1B  
 Passband BTS2A / BTS2B  
 Passband BTS3A / BTS3B

5-10MHz LTE block factory tuneable within 800MHz band  
 Factory tuneable to any LTE block size within 800MHz band  
 900MHz EGSM Full Uplink and Downlink Band

## Uplink (RX) Specifications

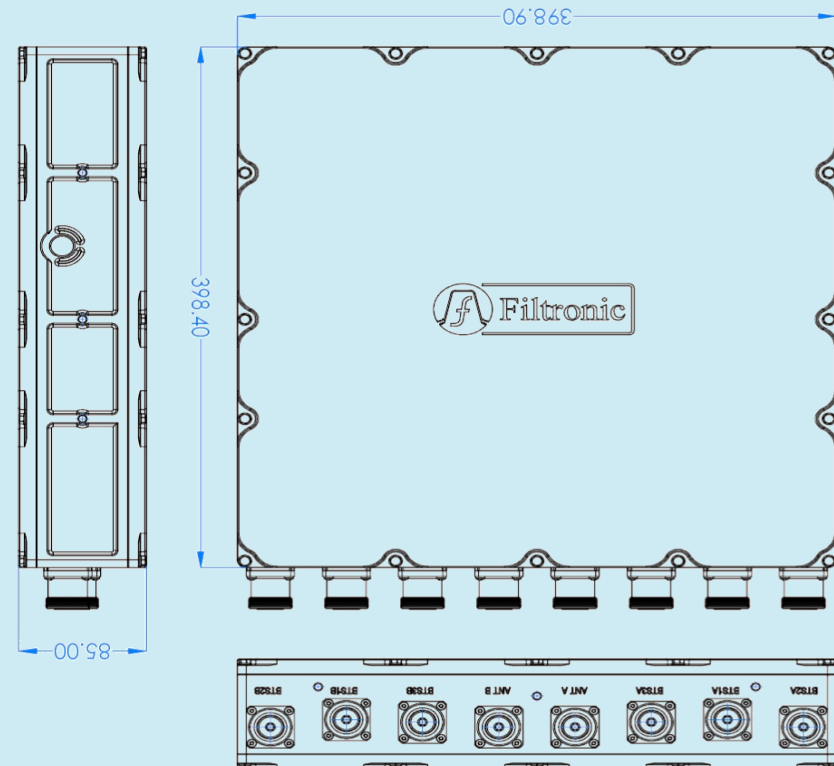
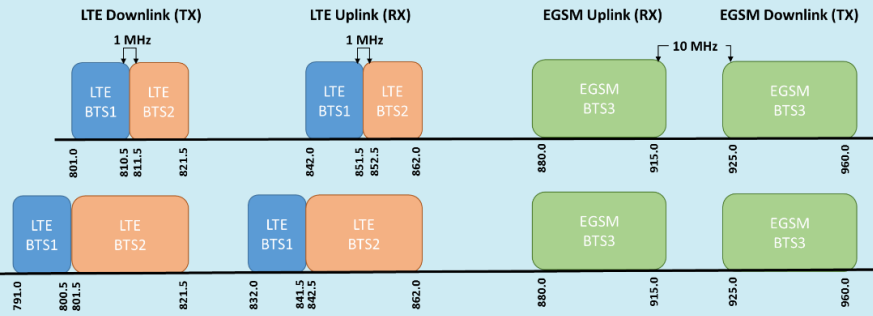
Insertion Loss  
 BTS1A to ANTA, BTS1B to ANTB  
 BTS2A to ANTA, BTS2B to ANTB  
 BTS3A to ANTA, BTS3B to ANTB  
 Return Loss

< 0.75dB (10MHz LTE), 1.4dB CW  
 < 0.75dB (10MHz LTE), 1.4dB CW  
 < 0.40dB  
 > 18 dB

## Downlink (TX) Specifications

Insertion Loss  
 BTS1A to ANTA, BTS1B to ANTB  
 BTS2A to ANTA, BTS2B to ANTB  
 BTS3A to ANTA, BTS3B to ANTB  
 Return Loss, all Ports  
 IMD in RX Band

< 0.75dB (10MHz LTE), 1.4dB CW  
 < 0.75dB (10MHz LTE), 1.4dB CW  
 < 0.40dB  
 > 18 dB  
 > 160 dBc (2 x +43dBm tones)



## BTS to BTS Isolation

BTS1A to BTS2A / BTS1B to BTS2B  
 BTS3A to BTS1A or BTS2A  
 BTS3B to BTS1B or BTS2B  
 All other BTS Port Combinations

> 20dB (Rx Band), > 30dB (TX Band)  
 > 30dB (RX and TX Bands)  
 > 30dB (RX and TX Bands)  
 > 64dB (RX and TX Bands)

## Configuration Example

Passband BTS1A / BTS1B  
 Passband BTS2A / BTS2B  
 Passband BTS3A / BTS3B

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  
 925.0 to 960.5 MHz TX, 880.0 to 915.05 MHz RX

## Mechanical

Connectors  
 Dimensions  
 Weight  
 Colour  
 Mounting arrangements

8 x 7/16 DIN Female, Long Neck  
 399 x 398 x 85 mm  
 Excluding Connectors and mounting brackets  
 13 kg (28.6 lbs)  
 Light grey  
 Rack or Wall

## Environmental

Operating Temp (°C)  
 Altitude  
 Ingress Protection  
 Humidity

-30 to +50  
 < 2500 m  
 IP67  
 < 90%

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