

# **GSM 1800 MHz Duplexer**

Model No : ADF - 1800

## **GENERAL DESCRIPTION:**

The Duplexer ADF - 1800 covers GSM - 1800 frequency band. It offers excellent out of band rejection at below and above Tx, Rx frequencies and also provides good isolation between Tx-Rx frequencies. As the name indicates, It simultaneously covers two frequency bands in both uplink and downlink frequency Bands. Duplexers are designed for good VSWR, low insertion loss and compact in size. This is economical, rugged in construction and can handle high power level. Flexibility in the choice of connectors is provided.

## **FEATURES:**

- High power rating
- Very good isolation between Tx, Rx frequencies
- It offers excellence out of band rejections
- Low insertion loss
- Good VSWR
- Compact size

## **SPECIFICATIONS:**

- |                       |  |
|-----------------------|--|
| 1. Pass band          | : 1710 - 1785 MHz (Up-Link)<br>: 1805 - 1880 MHz (Down-Link) |
| 2. Insertion Loss     | : 2.0 dB max.  |
| 3. Return Loss        | : 18.0 dB min.   |
| 4. Rejection          | :  |
| <b>a. Up - Link</b>   |  |
| DC - 1610 MHz         | : 90 dB min.   |
| 1610 - 1690 MHz       | : 50 dB min.   |
| 1805 - 1880 MHz       | : 60 dB min.   |
| 1880 - 25000 MHz      | : 90 dB min.   |
| <b>b. Down - Link</b> |  |
| DC - 1710 MHz         | : 90 dB min.   |
| 1710 - 1785 MHz       | : 60 dB min.   |
| 1905 - 1980 MHz       | : 50 dB min.   |
| 1980 - 25000 MHz      | : 90 dB min.   |
| 5. Tx-Rx Isolation    | : 60 dB min.   |
| 6. Impedance          | : 50 ohms.   |
| 7. Power handling     | : 200 Watts CW   |
| 8. Connectors         | : SMA (F)  |
| 9. a. Operating Temp. | : 0° to +55°C  |
| b. Storage Temp.      | : -10° to +70°C  |
| 10. Size              | : 265x120x30 mm (Including Connectors).                      |

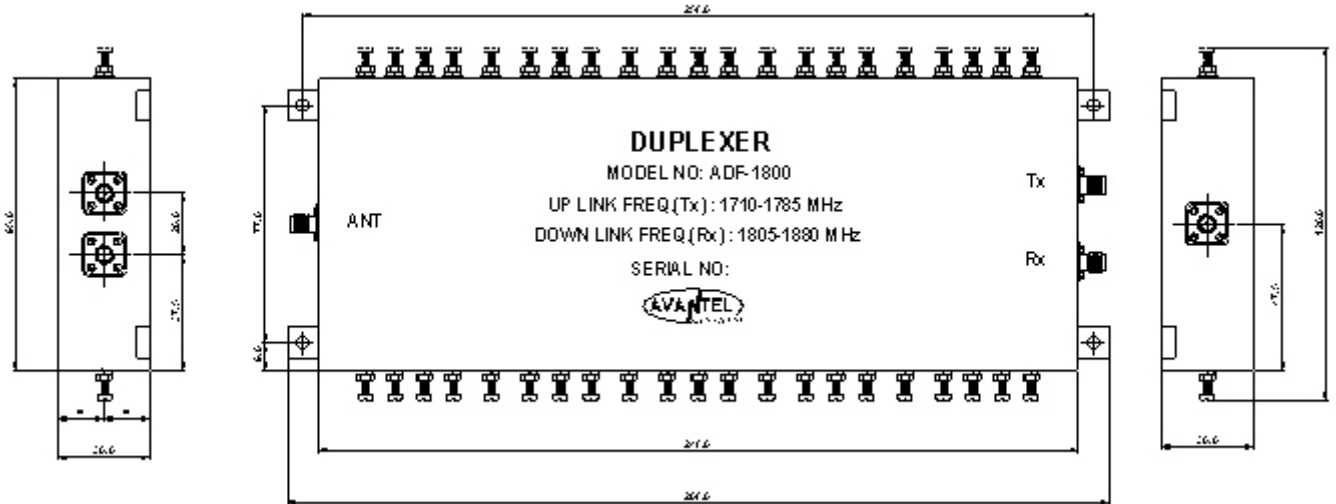
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## **Avantel Limited**

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## Outline Drawing:



All dimensions are in millimeters