

GSM 900 MHz Duplexer

Model No : ADF - 900

GENERAL DESCRIPTION:

The Duplexer ADF - 900 covers GSM - 900 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	: 890-915 MHz (Up-Link) : 935-960 MHz (Down-Link)
2. Insertion Loss	: 2.0 dB max.
3. Return Loss	: 18.0 dB min.
4. Rejection	:
a. Up - Link	
DC - 845 MHz	: 90 dB min.
845 - 870 MHz	: 50 dB min.
915 - 960 MHz	: 75 dB min.
960 - 25000 MHz	: 90 dB min.
b. Down - Link	
DC - 890 MHz	: 90 dB min.
890 - 935 MHz	: 75 dB min.
980 - 1060 MHz	: 50 dB min.
1060 - 25000 MHz	: 90 dB min.
5. Tx-Rx Isolation	: 70 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	: 280x155x34 mm (Including Connectors).

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