

Features

- GSM 900 MHz Front-end Unit (FEU) composed of Duplexer, low noise figure LNA Module, power combiner, switches etc.
- Suitable for GSM 900 MHz Tower Mounted System.
- Very compact size and low weight.



Technical Characteristics

Duplexer (TX) Path

Frequency band	935 MHz - 960 MHz
Bandwidth	25 MHz
Insertion Loss	0.7 dB _{typ.}
Return Loss, all ports	20 dB _{min.}
Isolation	90 dB _{Cmin.} (@ 895 MHz - 915 MHz)
Continuous Average Power	150 W _{max.}

Uplink (Rx1, Rx2) Path

Frequency band	890 MHz - 915 MHz
Bandwidth	25 MHz
Gain	22 dB _{nominal}
Noise Figure	1.8 dB _{typ.} , 2.2 dB _{max.}
Isolation	90 dB _{Cmin.} (@ 940 MHz - 960 MHz)
Return Loss, normal mode all ports	18 dB _{min.}

Downlink (Tx1, Tx2) Path

Frequency band	935 MHz - 960 MHz
Bandwidth	20 MHz
Insertion Loss	35 dB _{typ.}
Return Loss, normal mode all ports	18dB _{min.}
Insertion Loss, Bypass Mode	0.6dB _{max.}

Environmental

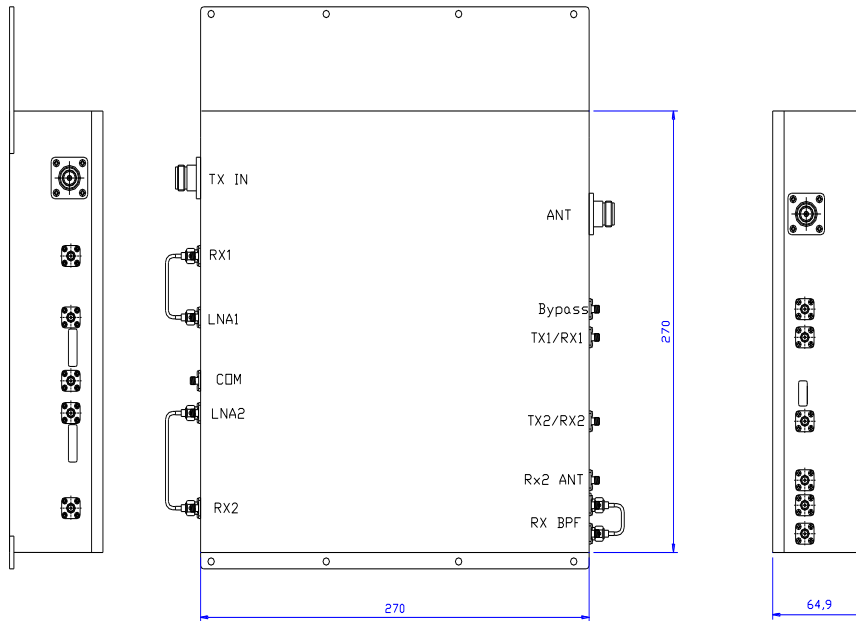
Operating temperature range	-30 to +65 °C
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Mechanical

Dimensions ¹⁾	270 x 270 x 65 mm
Weight	8.4 kg

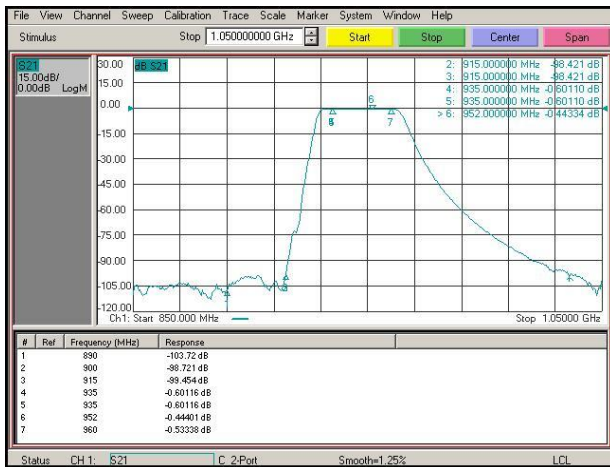
1) Excluding connectors, and mounting bracket extension

Outline Drawing

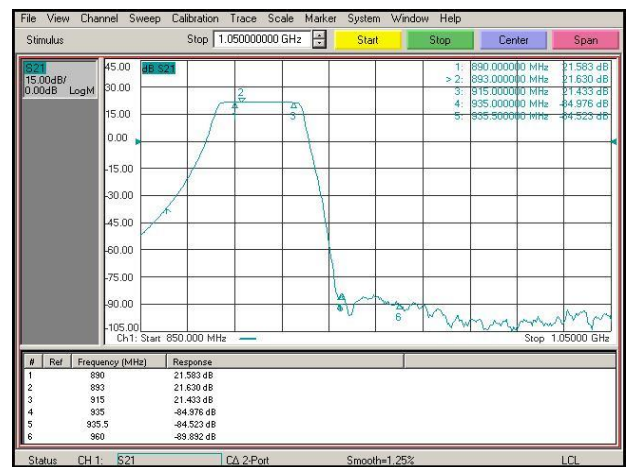


Units : mm, Tolerance : +/- 0.2 mm

Typical Response



Duplexer Tx path Transmission



Rx path Transmission