

Diplexer GSM-R

Connectors:

N-sockets (50 Ohms)

Frequency range:

Port 1	440 – 475 MHz
Port 2	870 – 960 MHz

Insertion loss:

Port 1 → Port 3	≤ 0.2 dB
Port 2 → Port 3	≤ 0.2 dB

Isolation:

Port 1 → Port 2	≥ 60 dB
Port 2 → Port 1	≥ 60 dB

VSWR:

≤ 1.15 dB

Power rating:

Port 1	50 W
Port 2	50 W

IM – value:

3rd order at 2 x 20 W ≥ 150 dBc | typical: ≥ 160 dBc

Special feature:

Suitable for rail application /
Center contacts gold plated

Degree of protection:

IP 60 (indoor)

Temperature range:

-40°C – +70 °C

Weight:

1.25 kg

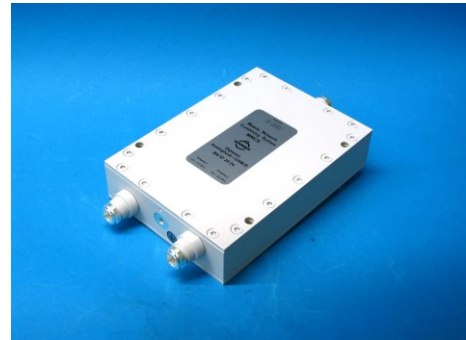
Wall / Mast mounting:

not possible

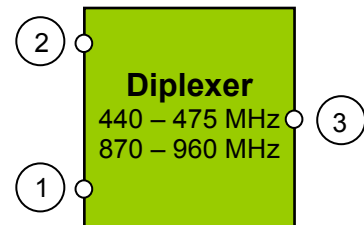
Appendix:

Dimensions
Measurements for

VSWR
Insertion loss
Isolation



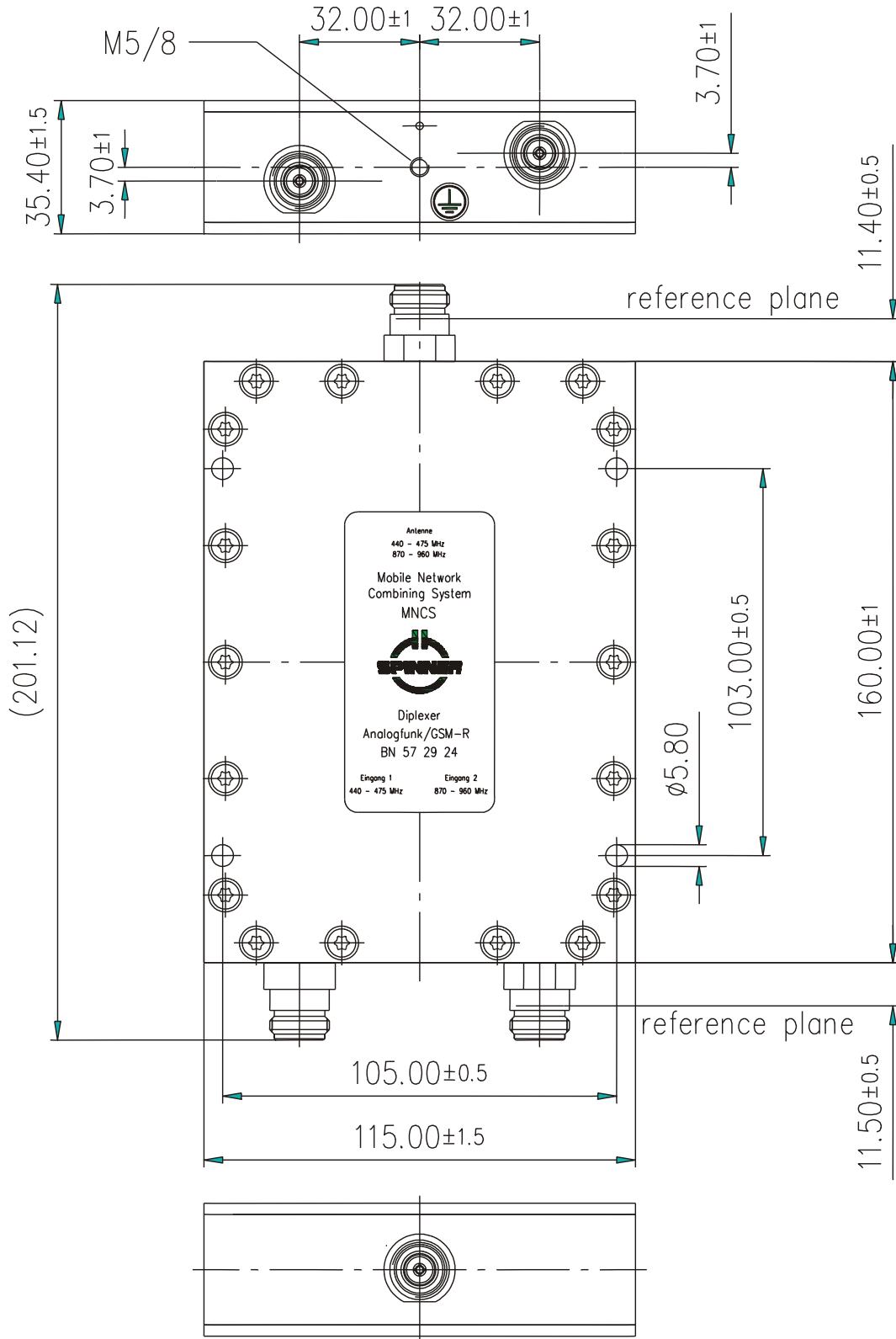
not binding



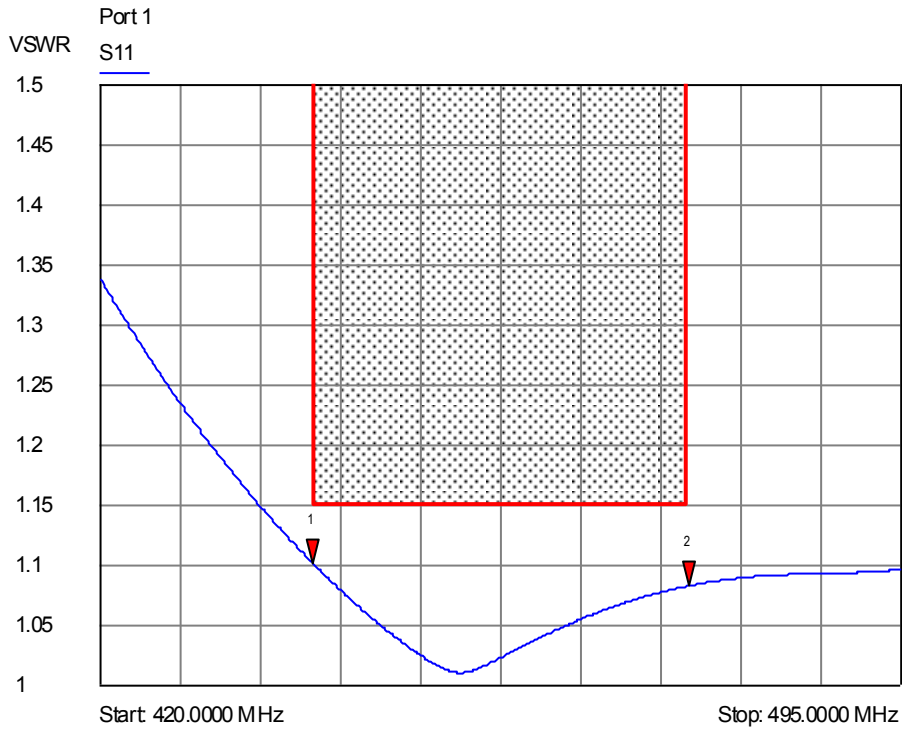
block diagram

Subject to change without notice

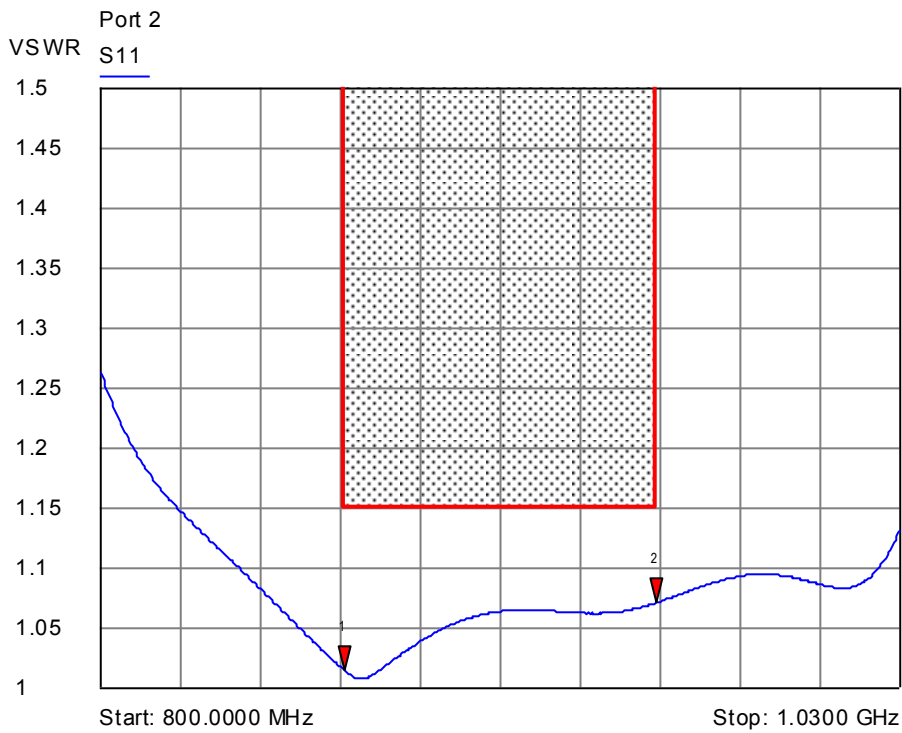
Dimensions:



VSWR:

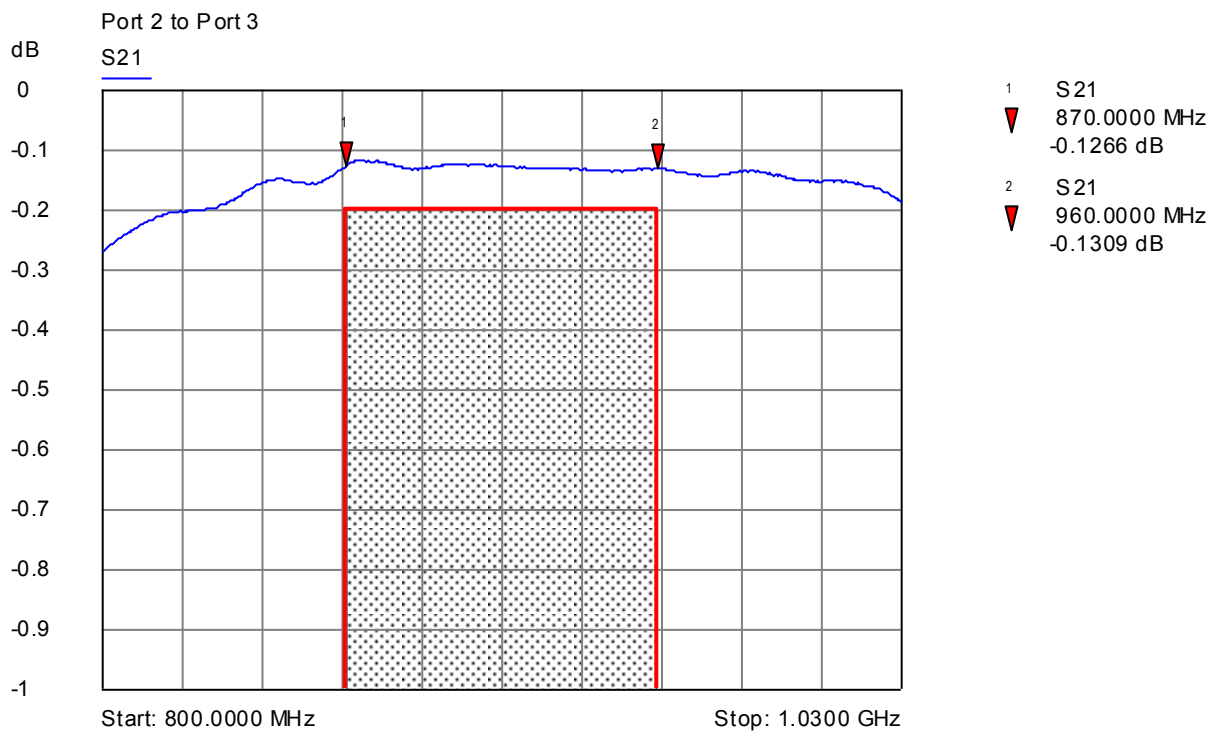
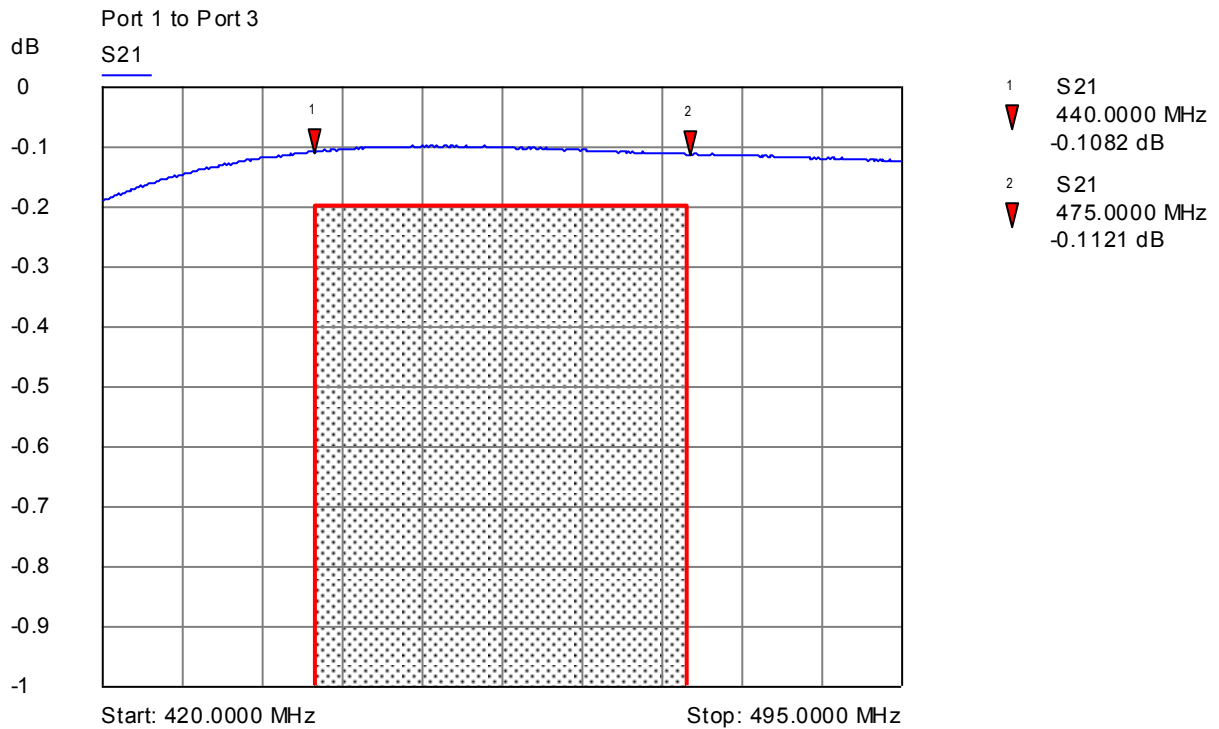


- 1 S11
▼ 440.0000 MHz
1.1008 VSWR
- 2 S11
▼ 475.0000 MHz
1.0829 VSWR



- 1 S11
▼ 870.0000 MHz
1.0153 VSWR
- 2 S11
▼ 960.0000 MHz
1.0713 VSWR

Insertion loss:



Isolation:

