

GSM 1800 – MULTIPLEXER UNIT

Basis modul:

BN5733EL-5

Consisting of:

- 1 pcs. Multiplexer (BN B09676)
- 1 pcs. Multiplexer (BN B08554)

Connectors:

7-16 female (50 Ohms)

Frequency range:

- Port 1 1752.7 – 1758.1 / 1847.7 – 1853.1 MHz (Vodafone)
 - Port 2 1725.1 - 1730.1 / 1820.1 – 1825.1 MHz (T-Mobile)
 - Port 3 1758.1 – 1780.5 / 1853.1 – 1875.5 MHz (E-Plus)
 - Port 4 1730.1 – 1752.5 / 1825.1 – 1847.5 MHz (O2)
- Port identification according to front-panel inscription.

Insertion loss:

- Port 1 or 2 → Port 5 ≤ 1.7 dB
- Port 3 or 4 → Port 6 ≤ 2.0 dB

Isolation:

- Port 1 ↔ 2 ≥ 45 dB
- Port 3 ↔ 4 ≥ 35 dB

VSWR:

≤ 1.2

Test voltage:

2.2 kV

Power rating:

50 W CW max. per input

IM – value:

3rd order @ 2 x 20 W ≥ 160 dBc

Degree of protection:

IP 20

Temperature range:

-5°C - +55°C

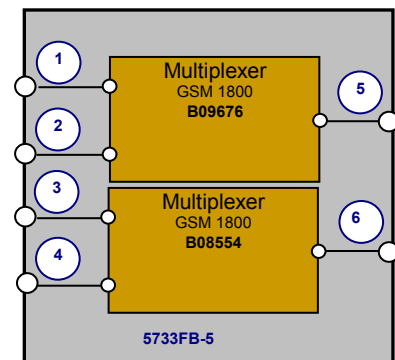
Appendix:

Dimensions
Measurements for

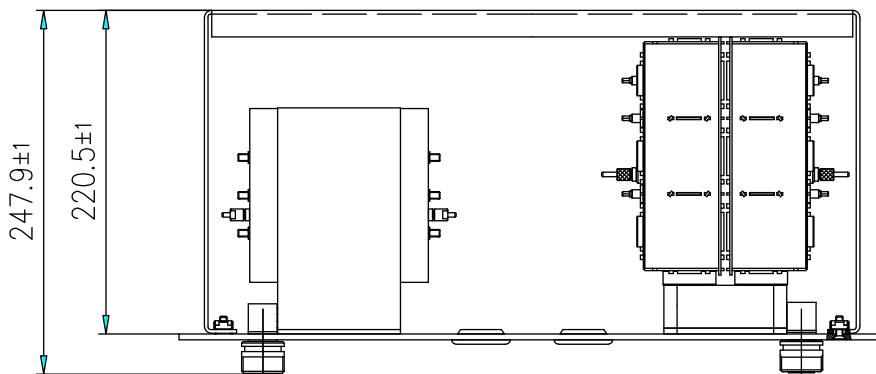
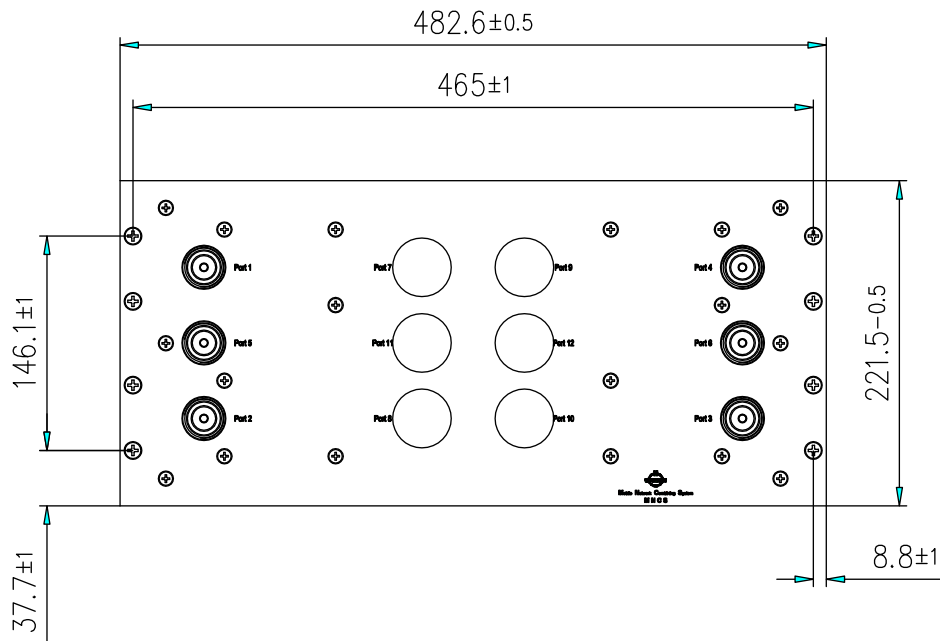
VSWR
Insertion loss
Isolation



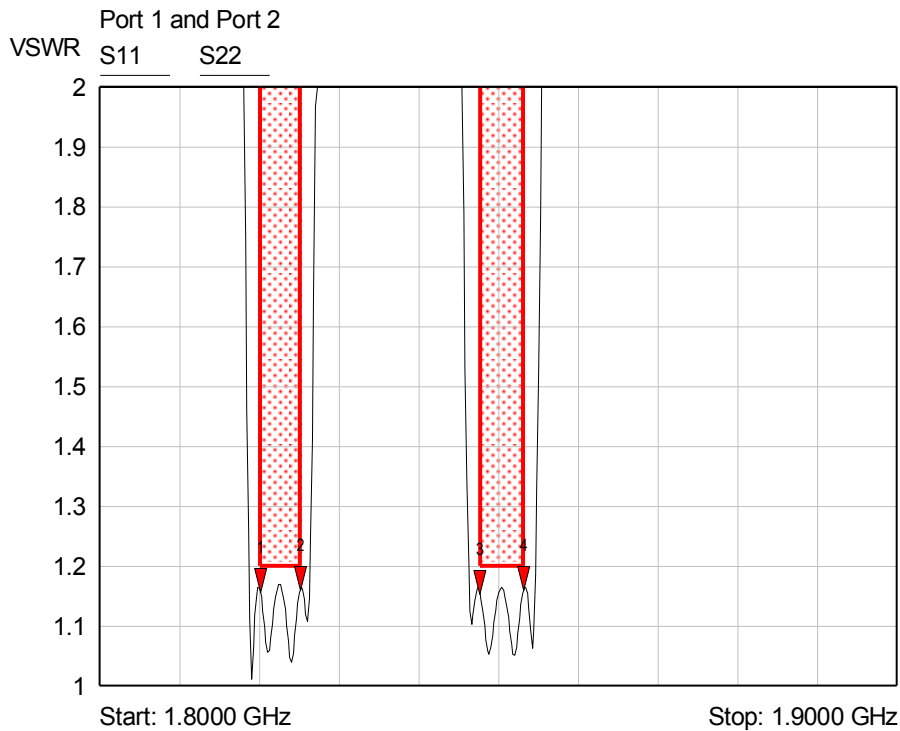
not binding



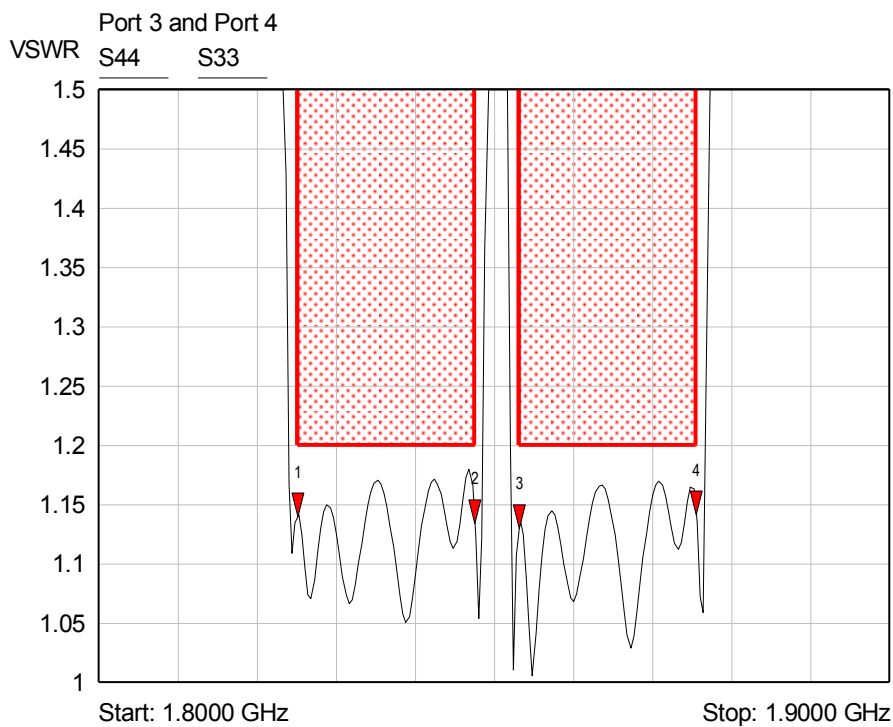
Dimensions:



VSWR:

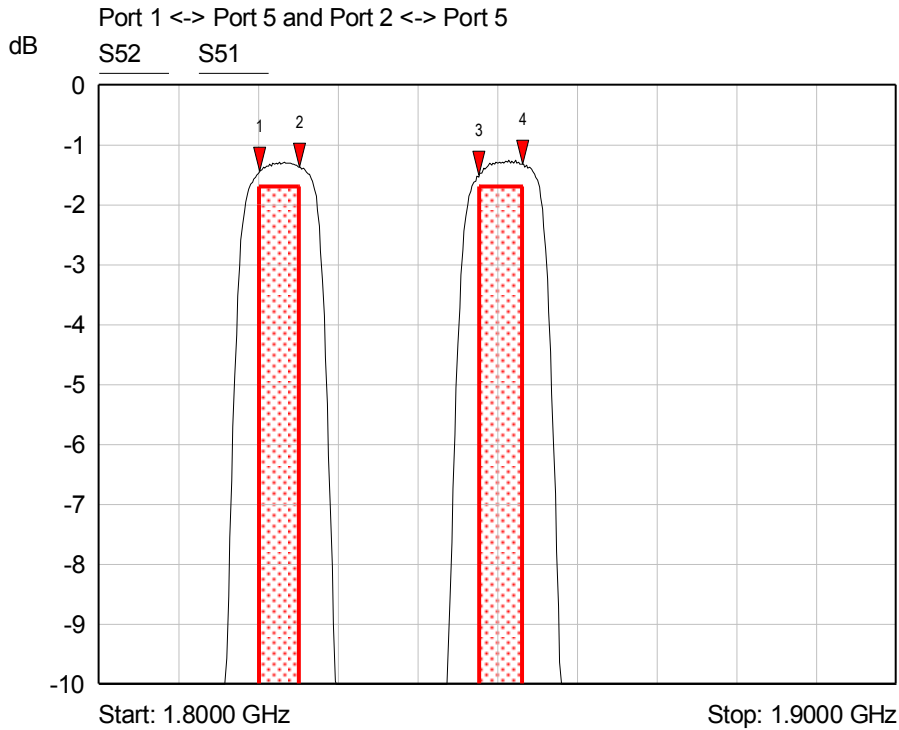


- 1 S11
▼ 1.8201 GHz
1.16 VSWR
- 2 S11
▼ 1.8251 GHz
1.16 VSWR
- 3 S22
▼ 1.8477 GHz
1.15 VSWR
- 4 S22
▼ 1.8531 GHz
1.16 VSWR

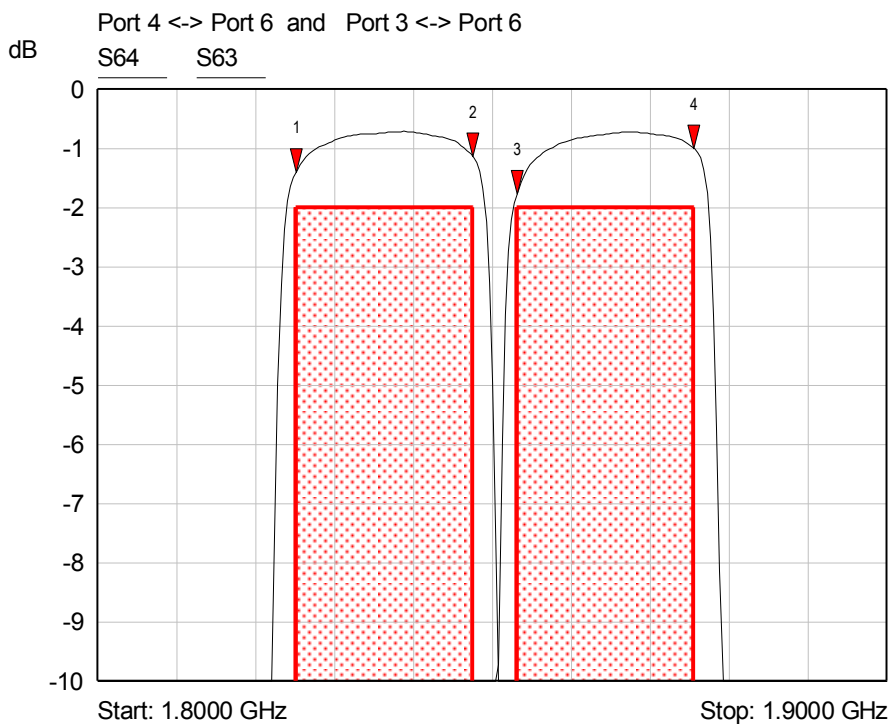


- 1 S44
▼ 1.8251 GHz
1.14 VSWR
- 2 S44
▼ 1.8475 GHz
1.13 VSWR
- 3 S33
▼ 1.8531 GHz
1.13 VSWR
- 4 S33
▼ 1.8755 GHz
1.14 VSWR

Insertion loss:

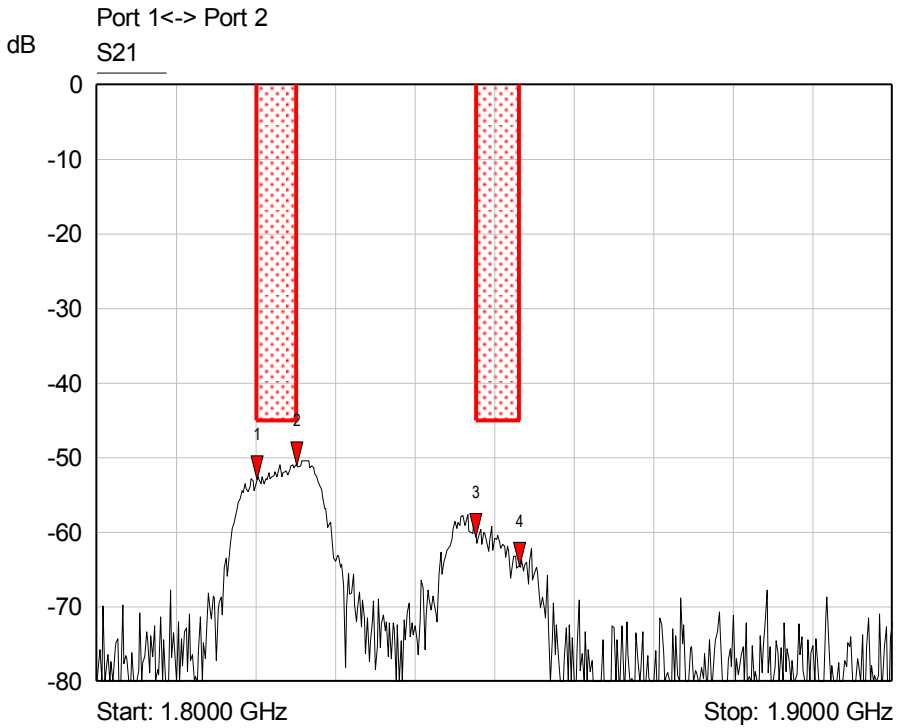


- 1 S52
▼ 1.8201 GHz
-1.44 dB
- 2 S52
▼ 1.8251 GHz
-1.37 dB
- 3 S51
▼ 1.8477 GHz
-1.49 dB
- 4 S51
▼ 1.8531 GHz
-1.32 dB

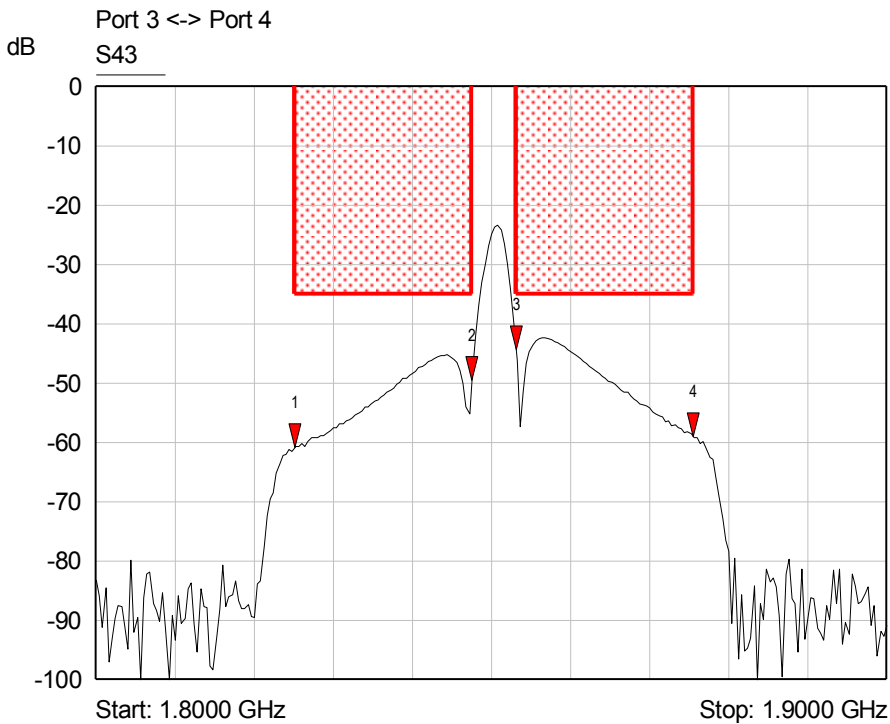


- 1 S64
▼ 1.8251 GHz
-1.40 dB
- 2 S64
▼ 1.8475 GHz
-1.13 dB
- 3 S63
▼ 1.8531 GHz
-1.77 dB
- 4 S63
▼ 1.8755 GHz
-0.99 dB

Isolation:



- 1 S21
▼ 1.8201 GHz
-53.00 dB
- 2 S21
▼ 1.8251 GHz
-51.07 dB
- 3 S21
▼ 1.8477 GHz
-60.66 dB
- 4 S21
▼ 1.8531 GHz
-64.62 dB



- 1 S43
▼ 1.8251 GHz
-60.92 dB
- 2 S43
▼ 1.8475 GHz
-49.38 dB
- 3 S43
▼ 1.8531 GHz
-44.35 dB
- 4 S43
▼ 1.8755 GHz
-59.02 dB