

COUPLER UNIT

Basis module:

BN5733BN-3

Consisting of:

- 2 pcs. Coaxial directional 3dB coupler in „X“ configuration (BN 753355)
- 2 pcs. Coaxial low intermodulation load 100 W (BN 534280)

Connectors:

7-16 socket (50 Ohms)

Frequency range:

800 – 2700 MHz
 Port identification according to front-panel inscription.

Coupling attenuation:

Port 1 or 3 → Port 7 3 dB ±0.5 dB
 Port 2 or 4 → Port 8 3 dB ±0.5 dB

Isolation:

Port 3 ↔ Port 4 ≥ 26 dB
 Port 1 ↔ Port 2 ≥ 26 dB

VSWR:

≤ 1.15

Test voltage:

500 V (without absorber)

Power rating:

200 W CW max. (total)

IM – value:

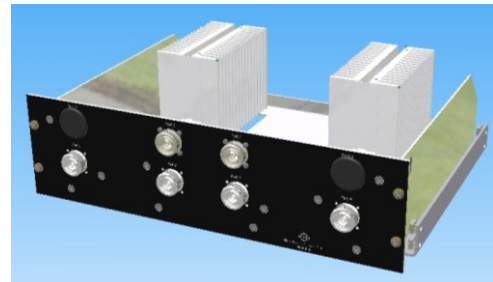
3rd order at 2 x 20 W ≥ 155 dBc | typical: ≥ 160 dBc

Degree of protection:

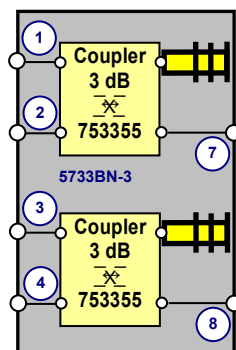
IP 20

Appendix:

Dimensions
 Measurements for VSWR
 Coupling attenuation
 Isolation

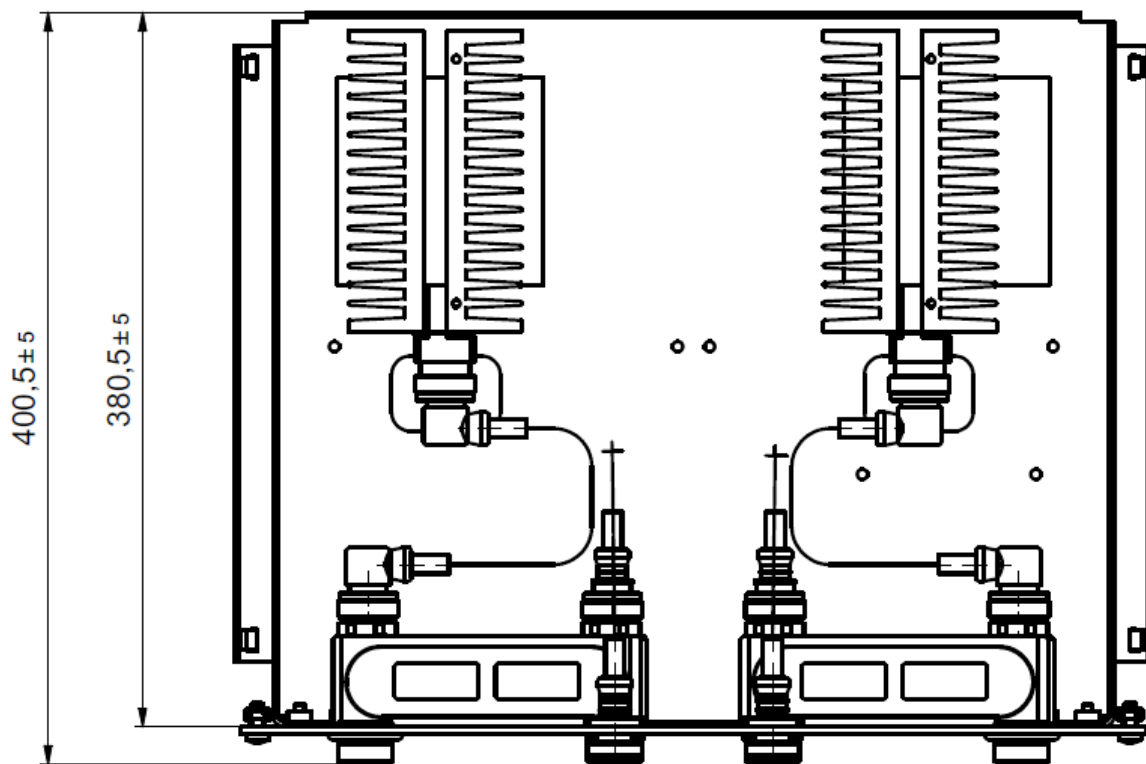
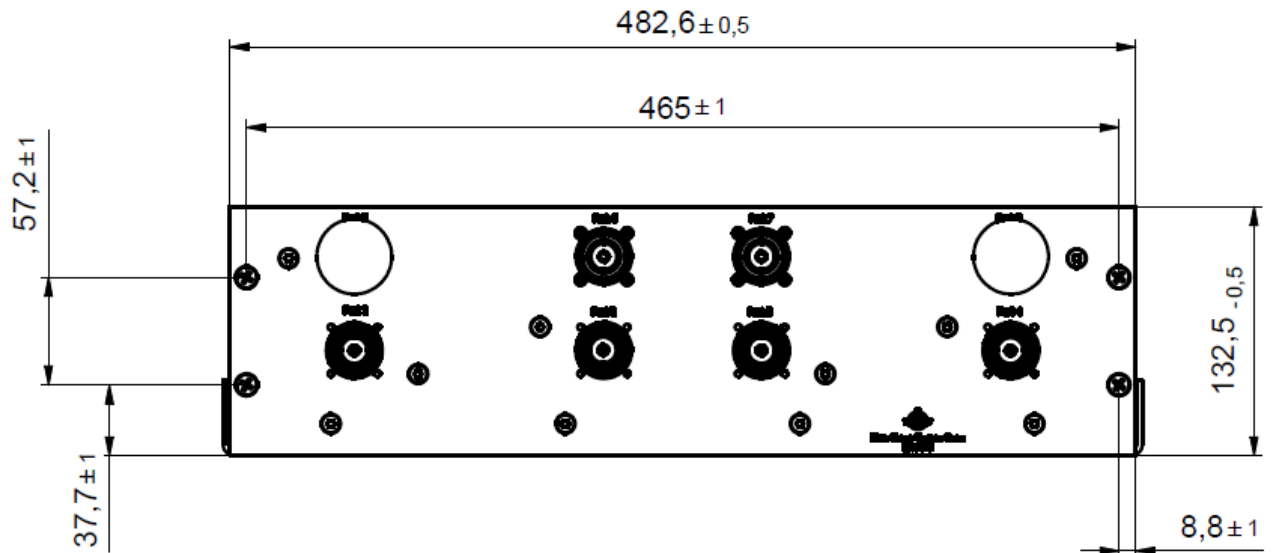


not binding



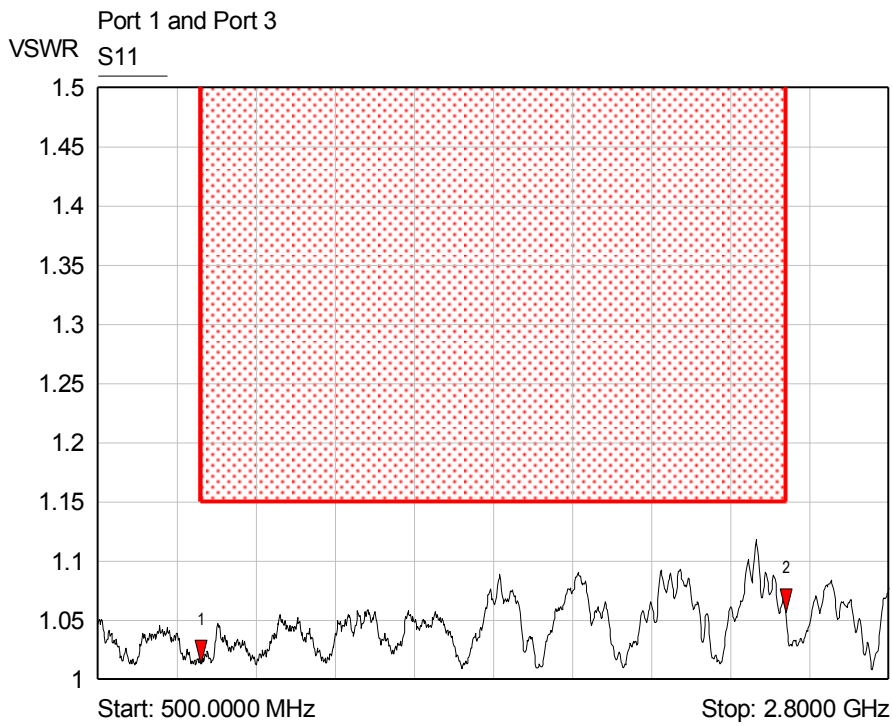
block diagram

Dimensions:

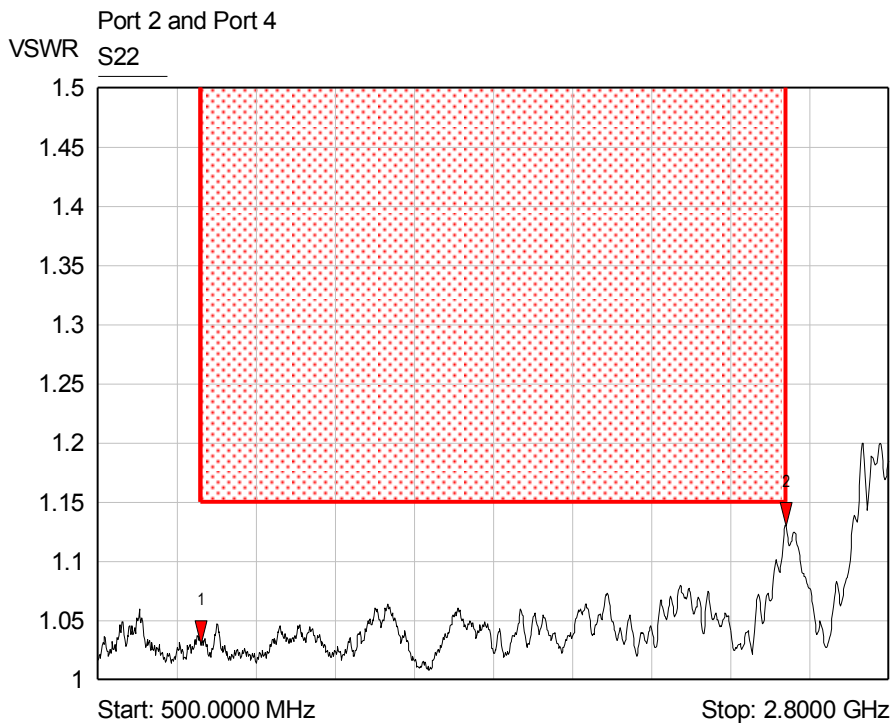


modifications reserved

VSWR

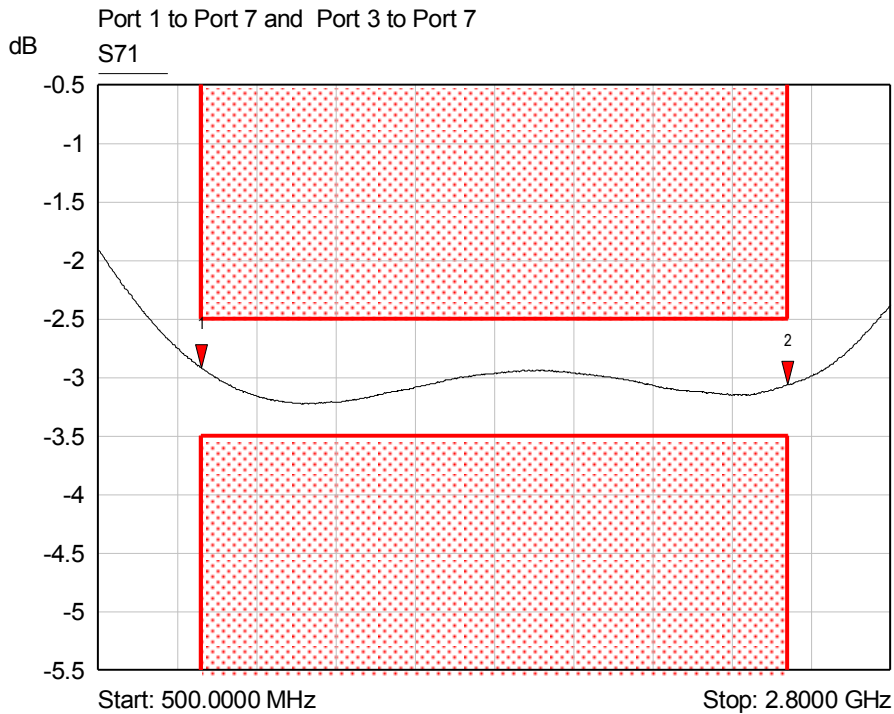


- 1 S11
▼ 800.0000 MHz
1.01 VSWR
- 2 S11
▼ 2.5000 GHz
1.05 VSWR

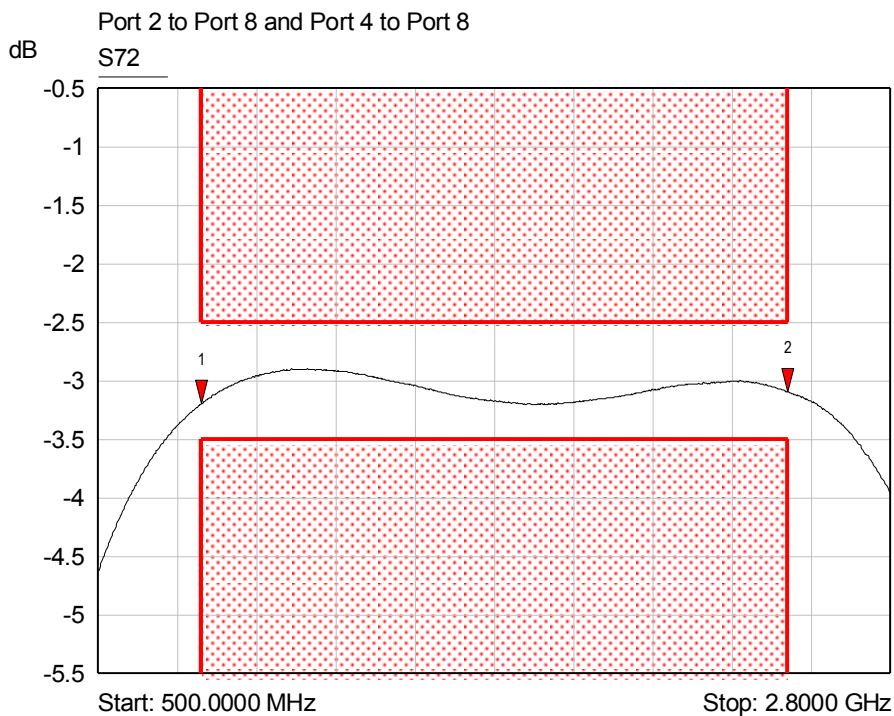


- 1 S22
▼ 800.0000 MHz
1.03 VSWR
- 2 S22
▼ 2.5000 GHz
1.13 VSWR

Coupling attenuation:



- 1 S71
▼ 800.0000 MHz
-2.92 dB
- 2 S71
▼ 2.5000 GHz
-3.06 dB



- 1 S72
▼ 800.0000 MHz
-3.19 dB
- 2 S72
▼ 2.5000 GHz
-3.09 dB

Isolation:

