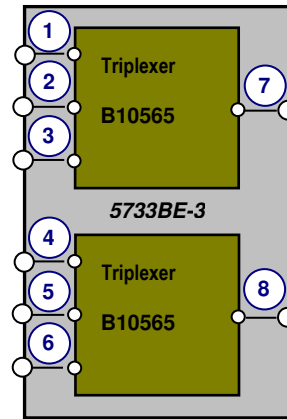


TRIPLEXER UNIT



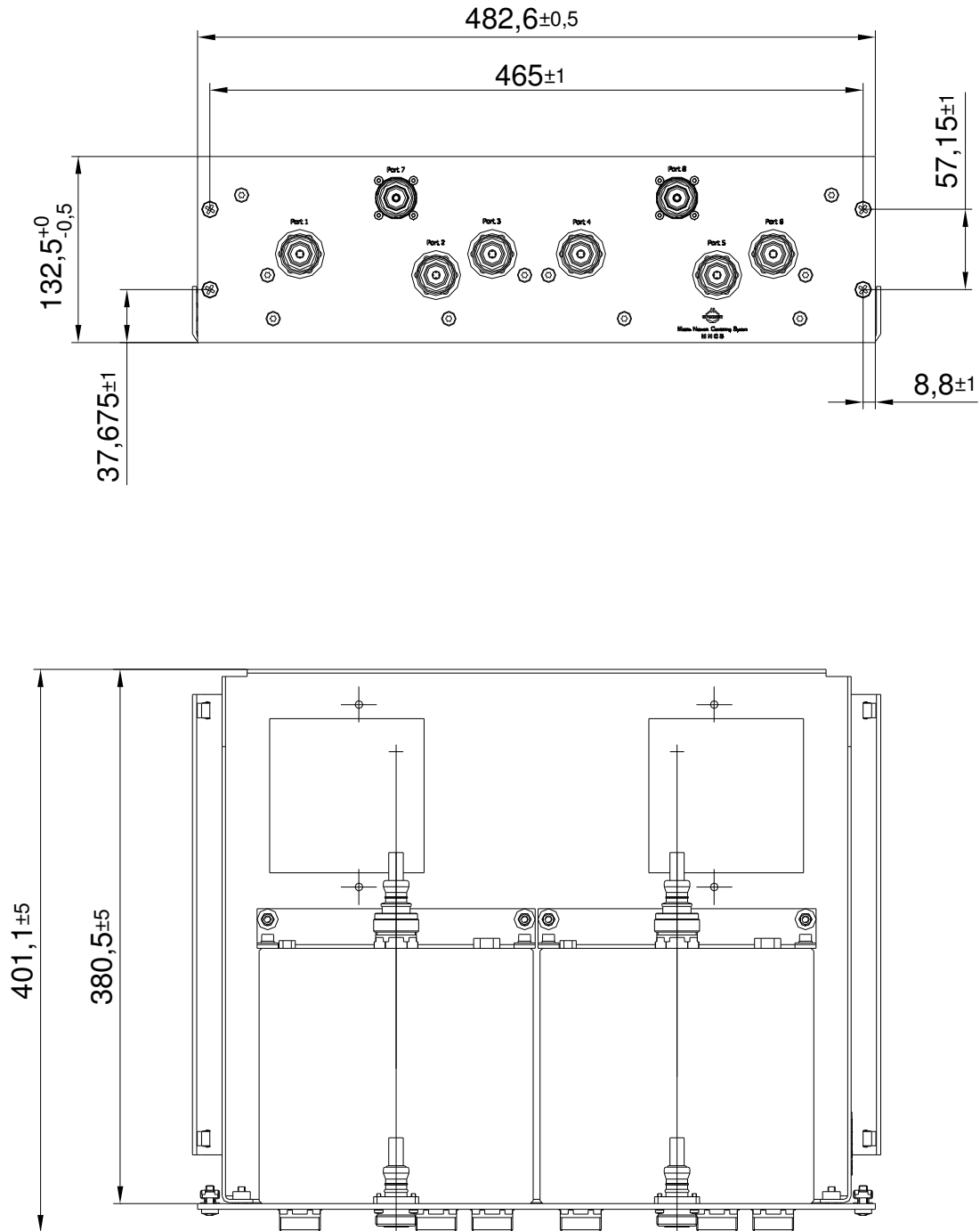
not binding



block diagram

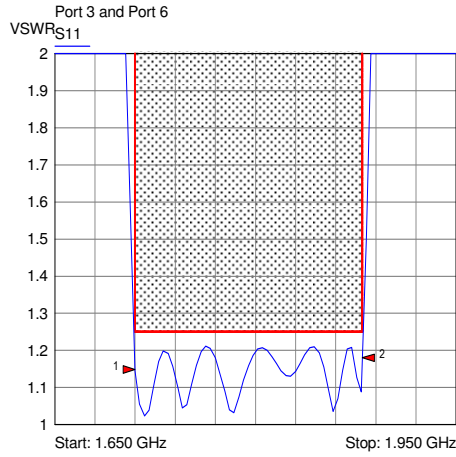
<b>Part number</b>	<b>BN 573324</b>	
Basis module	BN 5733BE-3	
Consisting of	2 pcs. Triplexer (BN B10565)	
Connectors	7-16 female (50 Ohms)	
Frequency range	Port 2 and Port 5 Port 3 and Port 6 Port 1 and Port 4	806 - 960 MHz (GSM 900) 1710 - 1880 MHz (GSM 1800) 1920 - 2170 MHz (UMTS)
Insertion loss	Port 2 → Port 7, Port 5 → Port 8 Port 3 → Port 7, Port 6 → Port 8 Port 1 → Port 7, Port 4 → Port 8	≤ 0.2 dB ≤ 0.5 dB ≤ 0.6 dB
Isolation	Port 3 ↔ Port 2, Port 3 ↔ Port 1, Port 1 ↔ Port 2 Port 6 ↔ Port 5, Port 6 ↔ Port 4, Port 4 ↔ Port 5	≥ 50 dB ≥ 50 dB
VSWR	≤ 1.25	
Test voltage	1.4 kV (without DC bypass)	
Power rating	Port 2 and Port 5 Port 3 and Port 6 Port 1 and Port 4	240 W CW max. 240 W CW max. 240 W CW max.
IM – value 3rd order @ 2 x 20 W	≤ -155 dBc   typical: ≤ -160 dBc	
Special feature	DC bypass   max. 1 A per input (all inputs to output)	
Degree of protection mated / 1bar, 1h, ≤18°C	IP 20	
Environmental conditions	ETSI EN 300019-1-1 Class 1.2 ETSI EN 300019-1-2 Class 2.3 ETSI EN 300019-1-3 Class 3.3	
Temperature range	-5 °C– +55 °C	
Weight	11.6 kg	

Dimensions:

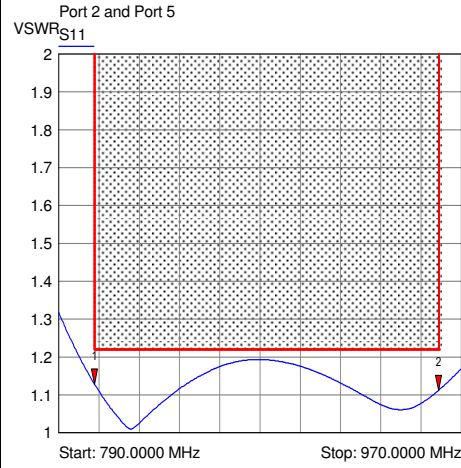


Measurements:

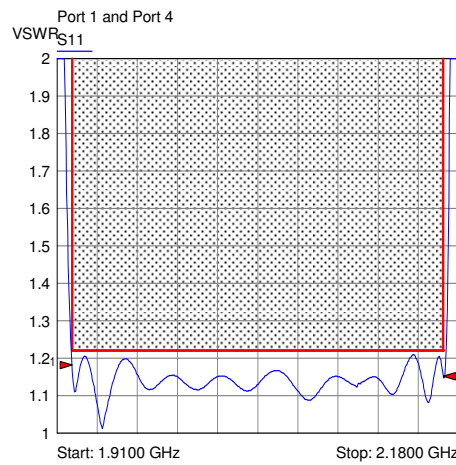
**VSWR:**



- 1 S11  
▼ 1.710 GHz  
1.149 VSWR
- 2 S11  
▼ 1.880 GHz  
1.180 VSWR

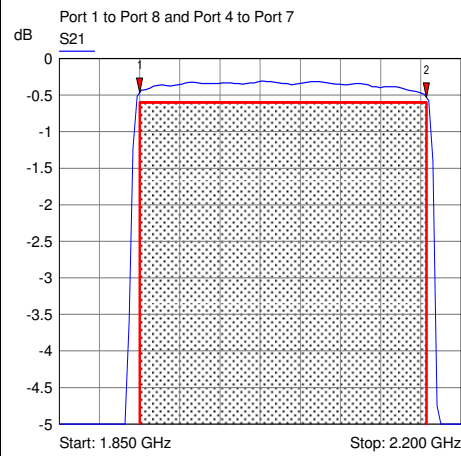


- 1 S11  
▼ 806.000 MHz  
1.1291 VSWR
- 2 S11  
▼ 960.000 MHz  
1.1127 VSWR

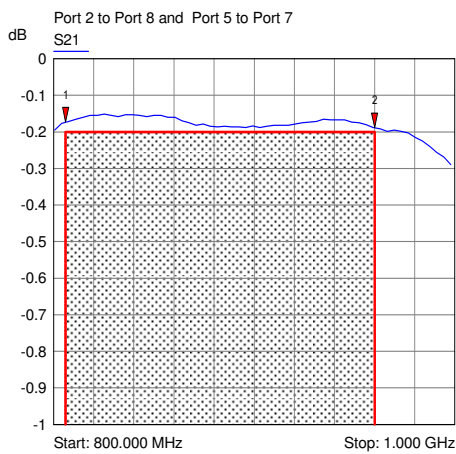


- 1 S11  
▼ 1.9200 GHz  
1.1813 VSWR
- 2 S11  
▼ 2.1700 GHz  
1.1513 VSWR

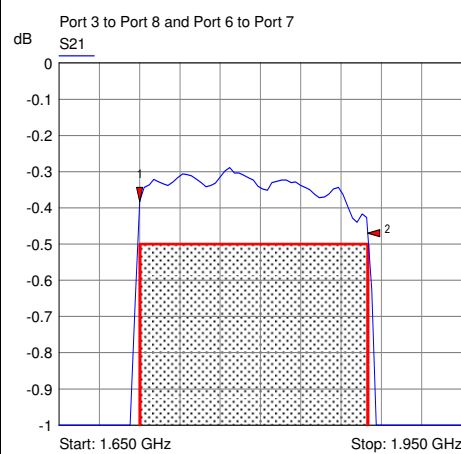
**Insertion loss:**



- 1 S21  
▼ 1.920 GHz  
-0.467 dB
- 2 S21  
▼ 2.170 GHz  
-0.532 dB



- 1 S21  
▼ 806.000 MHz  
-0.175 dB
- 2 S21  
▼ 960.000 MHz  
-0.189 dB



- 1 S21  
▼ 1.710 GHz  
-0.384 dB
- 2 S21  
▼ 1.880 GHz  
-0.470 dB

