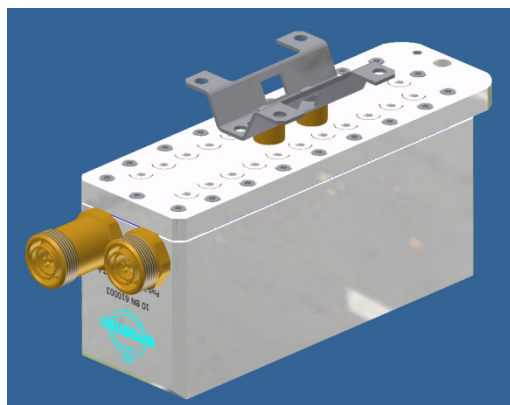
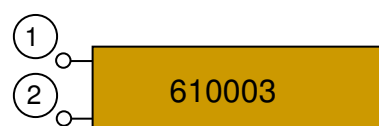


## Bandstop Filter



not binding



block diagram

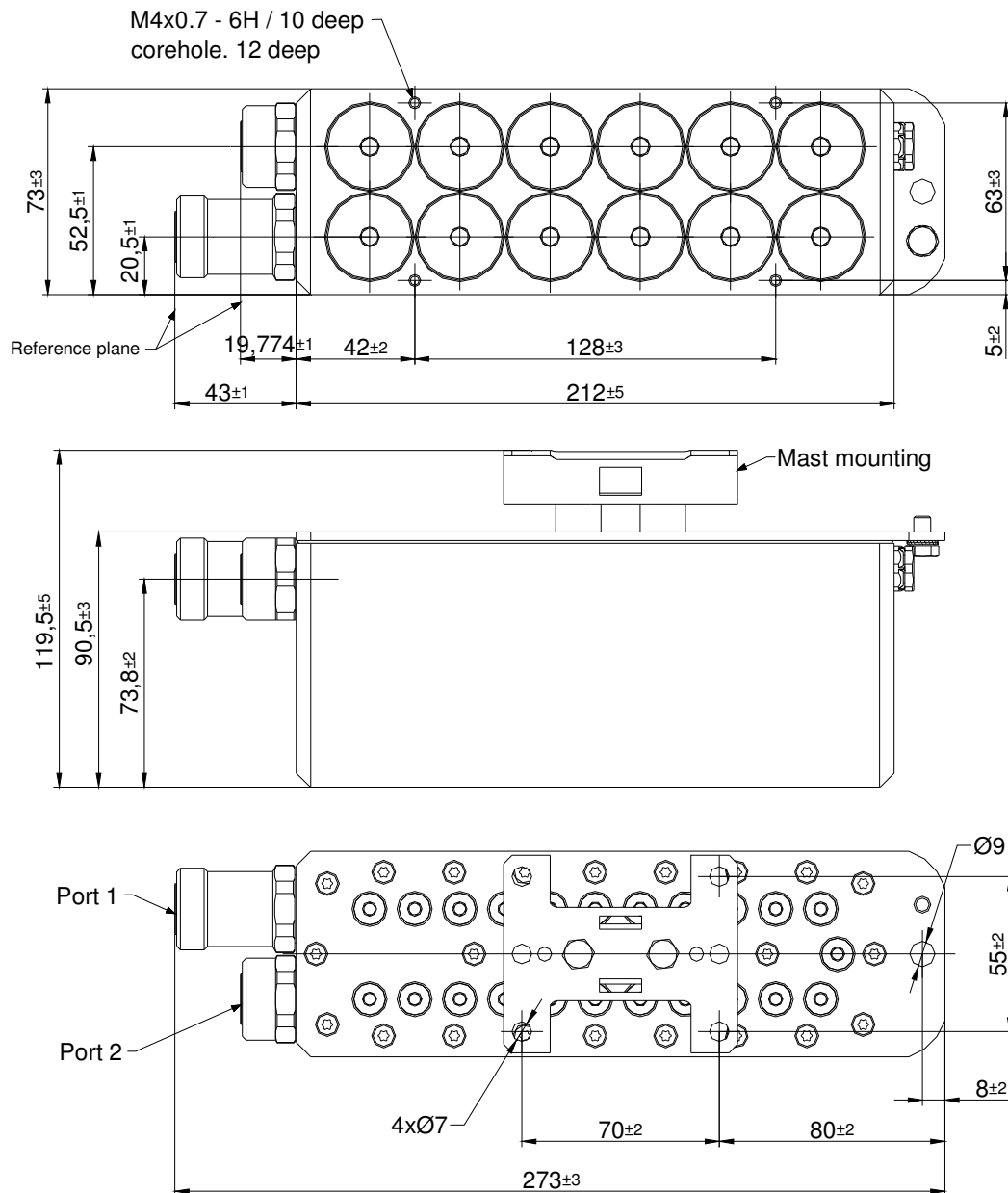
| Part number                                 | BN 610003                                                                                                                                                                                                                              |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connectors                                  | 7-16 socket (50 Ohms)                                                                                                                                                                                                                  |
| Frequency range                             |                                                                                                                                                                                                                                        |
| Passband                                    | 790.0-862.0 MHz /880.0- 915.0 MHz/<br>937.6-938.2 MHz/938.2-944.2MHz /944.2-944.8 MHz /<br>951.2-951.8 MHz/951.8-954.8 MHz/954.8-955.4 MHz/<br>959.4-960.0 MHz/<br>1710-1885 MHz /1920-2170 MHz /2500-2690 MHz                         |
| Stopband                                    | 925.0-936.1 MHz /936.1-937.0 MHz /937.0-937.5 MHz/<br>944.9-945.4 MHz /945.4-946.3 MHz/946.3-949.7 MHz/<br>949.7-950.6 MHz /950.6-951.1 MHz/<br>955.5-956.0 MHz /956.0-956.9 MHz/956.9-957.7 MHz /<br>957.7-958.8 MHz /958.8-959.3 MHz |
| Insertion loss                              |                                                                                                                                                                                                                                        |
| Passband                                    |                                                                                                                                                                                                                                        |
| 790.0-862.0 MHz /880.0-915.0 MHz            | $\leq 1.0$ dB                                                                                                                                                                                                                          |
| 937.6-938.2 MHz /944.2-944.8 MHz            | $\leq 13.0$ dB                                                                                                                                                                                                                         |
| 938.2-938.7 MHz/943.8-944.2 MHz             | $\leq 7.0$ dB                                                                                                                                                                                                                          |
| 938.7-943.8 MHz                             | $\leq 5.0$ dB (typical 3dB)                                                                                                                                                                                                            |
| 951.2-951.8 MHz/954.8-955.4 MHz             | $\leq 13.0$ dB                                                                                                                                                                                                                         |
| 951.8-952.3 MHz/954.4 -954.8 MHz            | $\leq 8.0$ dB                                                                                                                                                                                                                          |
| 952.3-954.4 MHz                             | $\leq 6$ dB (typical 4dB)                                                                                                                                                                                                              |
| 959.4-960.0 MHz                             | $\leq 12$ dB (typical 10dB)                                                                                                                                                                                                            |
| 1710-1885 MHz /1920-2170 MHz /2500-2690 MHz | $\leq 1.0$ dB                                                                                                                                                                                                                          |



|                                             |                                                                                               |
|---------------------------------------------|-----------------------------------------------------------------------------------------------|
| Stopband                                    |                                                                                               |
| 925.0-936.1 MHz                             | ≥ 25 dB                                                                                       |
| 936.1-937.0 MHz                             | ≥ 15 dB                                                                                       |
| 937.0-937.5 MHz                             | ≥ 10 dB                                                                                       |
| 944.9-945.4 MHz                             | ≥ 10 dB                                                                                       |
| 945.4-946.3 MHz                             | ≥ 15 dB                                                                                       |
| 946.3-949.7 MHz                             | ≥ 25 dB                                                                                       |
| 949.7-950.6 MHz                             | ≥ 15 dB                                                                                       |
| 950.6-951.1 MHz                             | ≥ 10 dB                                                                                       |
| 955.5-956.0 MHz                             | ≥ 10 dB                                                                                       |
| 956.0-956.9 MHz                             | ≥ 15 dB                                                                                       |
| 956.9-957.7 MHz                             | ≥ 25 dB                                                                                       |
| 957.7-958.8 MHz                             | ≥ 15 dB                                                                                       |
| 958.8-959.3 MHz                             | ≥ 10 dB                                                                                       |
| Return loss                                 |                                                                                               |
| 790-862 MHz                                 | ≥ 14 dB                                                                                       |
| 880- 915 MHz                                | ≥ 10 dB                                                                                       |
| 937.6-944.8 MHz                             | ≥ 2 dB (typical 5 dB)                                                                         |
| 951.2-955.4 MHz                             | ≥ 2 dB (typical 4 dB)                                                                         |
| 959.4-960.0 MHz                             | ≥ 1.5 dB (typical 3 dB)                                                                       |
| 1710-1885 MHz /1920-2170 MHz /2500-2690 MHz | ≥ 14 dB                                                                                       |
| Power rating                                | 10 W                                                                                          |
| IM – value                                  |                                                                                               |
| 3rd order @ 2 x 33dBm                       | ≤ -130 dBc                                                                                    |
| Degree of protection                        | IP 65                                                                                         |
| Environmental conditions                    | ETSI EN 300019-1-1 Class 1.2<br>ETSI EN 300019-1-2 Class 2.3<br>ETSI EN 300019-1-4 Class 4.1E |
| Attention of conformity                     | conform to R&TTE 1999/5/EG                                                                    |
| Weight                                      | 3.6 kg                                                                                        |
| Wall / Mast mounting                        | Part of delivery                                                                              |
| Temperature range                           | -25 °C – +55 °C                                                                               |



Dimensions:



### Standard:

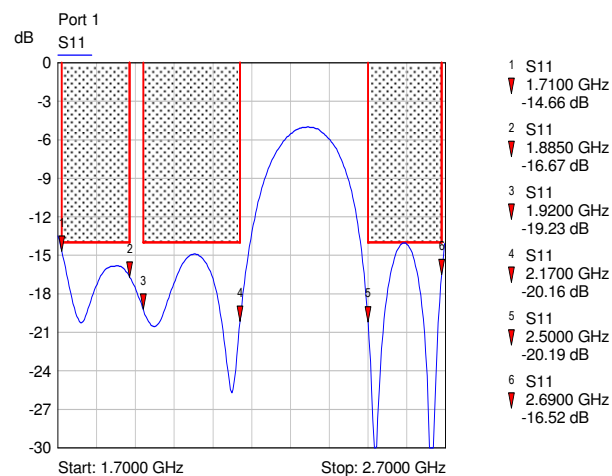
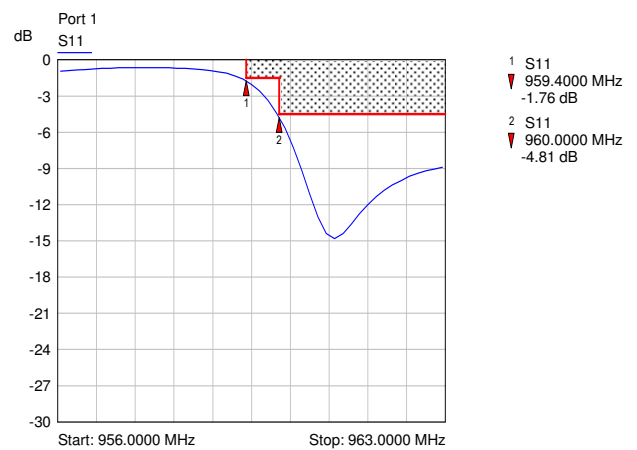
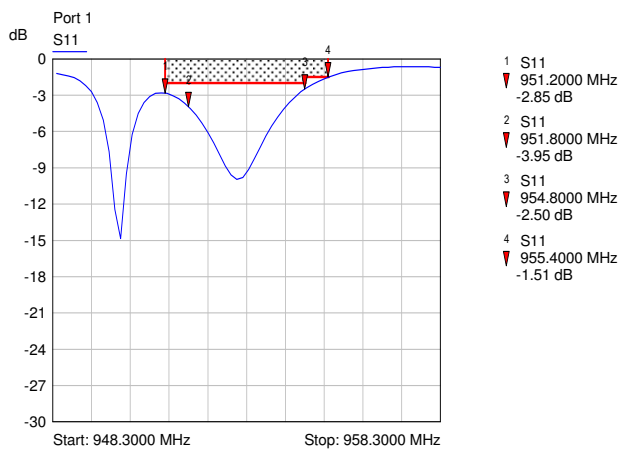
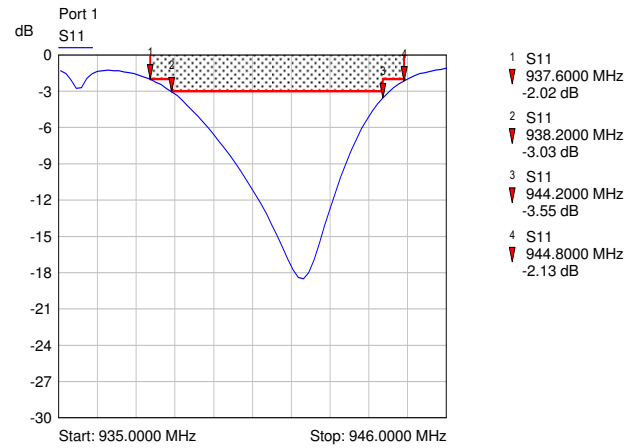
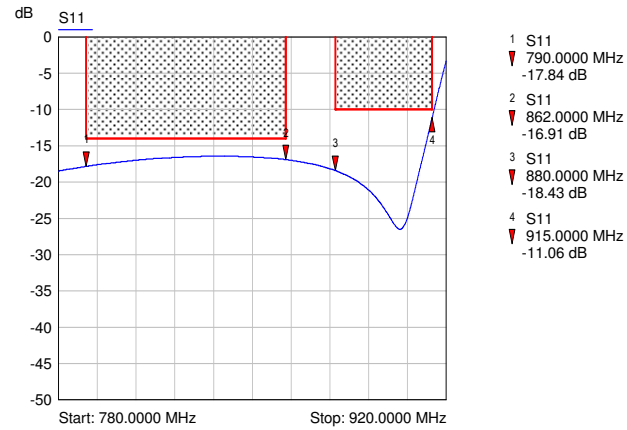
7-16 female (50 ohms) : EN 122190, IEC 61169-4

modifications reserved



## Measurements:

## Return loss:



## Insertion loss:

