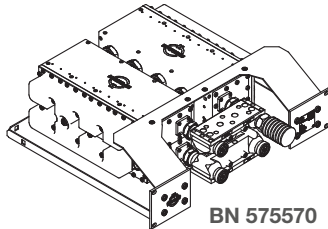
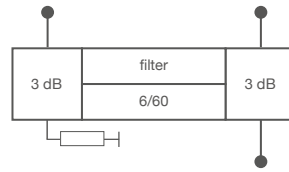
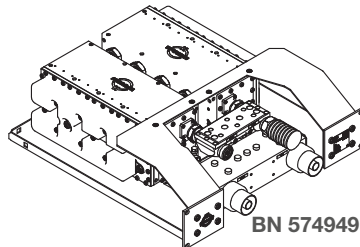


## UHF CIB Combiners

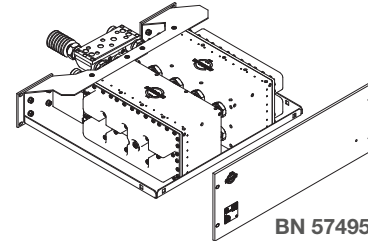
- Compact design as 19" slide-in unit
- For 6, 7 and 8 MHz channel bandwidth
- Integrated mask filters for DTV
- Adjacent channel operation
- Temperature compensated
- Tuneable within the whole UHF range



BN 575570



BN 574949



BN 574951C0002

| Part Number<br>Front Plate Design                                  | BN 575570<br>Without Front Plate                                       |   | BN 574949<br>Without Front Plate                          |                       |          |                    |                       |          |          |
|--|--|---|---|-----------------------|----------|--------------------|-----------------------|----------|----------|
|  | BN 575570C0002<br>With Front Plate and Ports at Rear Side              |   | BN 574949C0002<br>With Front Plate and Ports at Rear Side |                       |          |                    |                       |          |          |
| Frequency range  | 470 - 860 MHz  |   |   |                       |          |                    |                       |          |          |
| Channel spacing  | ≥ 0  |   |   |                       |          |                    |                       |          |          |
| <b>Narrowband input</b>  | 7-16 female  |   |   |                       |          |                    |                       |          |          |
| Filter type integrated cavities/size                               | 6/60 ≡ BN 616566   |   |   |                       |          |                    |                       |          |          |
| Temperature stability  | ≤ 2 kHz / K  |   |   |                       |          |                    |                       |          |          |
| Harmonics attenuation  | ≥ 50 dB for f ≤ 1200 MHz   |   |   |                       |          |                    |                       |          |          |
| DTV mask filtering   | DVB-T @ 8 MHz<br>(Ü/U <sub>rms</sub> =13 dB)                           | ISDB-T @ 6 MHz<br>(Ü/U <sub>rms</sub> =13 dB) | ATSC @ 6 MHz<br>(Ü/U <sub>rms</sub> =11 dB)               |                       |          |                    |                       |          |          |
| Average input power  | ≤ 750 W  |   | ≤ 600 W   |                       |          |                    |                       |          |          |
| Tuning instruction   | AS6201   |   | AS6192  |                       |          |                    |                       |          |          |
| Insertion loss & mask filtering<br>(alternative tuning on request) | 470 MHz  | 860 MHz                                       | 470 MHz   | 803 MHz               |          |                    |                       |          |          |
|  | f <sub>0</sub>   | ≤ 0.55 dB                                     | ≤ 0.65 dB   | f <sub>0</sub>        | ≤ 0.7 dB | ≤ 0.85 dB          | f <sub>0</sub>        | ≤ 0.8 dB | ≤ 1.1 dB |
|  | f <sub>0</sub> ± 3.805   | ≤ 1.35 dB                                     | ≤ 1.85 dB   | f <sub>0</sub> ± 2.79 | ≤ 1.7 dB | ≤ 2.30 dB          | f <sub>0</sub> ± 2.69 | ≤ 1.5 dB | ≤ 1.8 dB |
|  | f <sub>0</sub> ± 3.885   | ≤ 1.55 dB                                     | ≤ 2.10 dB   | f <sub>0</sub> ± 3.0  | ≥ 4 dB   |                    | f <sub>0</sub> ± 3.0  | ≤ 2.7 dB | ≤ 2.8 dB |
|  | f <sub>0</sub> ± 4.2   | ≥ 4 dB  |   | f <sub>0</sub> ± 3.15 | ≥ 8 dB   |                    | f <sub>0</sub> ± 3.25 | ≥ 4 dB   |          |
|  | f <sub>0</sub> ± 6   | ≥ 20 dB                                       |   | f <sub>0</sub> ± 4.5  | ≥ 23 dB  |                    | f <sub>0</sub> ± 4    | ≥ 15 dB  |          |
|  | f <sub>0</sub> ± 12  | ≥ 40 dB                                       |   | f <sub>0</sub> ± 9    | ≥ 48 dB  |                    | f <sub>0</sub> ± 6    | ≥ 40 dB  |          |
|  |  |   | f <sub>0</sub> ± 15                                       | ≥ 50 dB               |          | f <sub>0</sub> ± 9 | ≥ 65 dB               |          |          |
| Group delay variation  | Δτ ≤ 350 ns  |   | Δτ ≤ 350 ns   |                       |          |                    |                       |          |          |
| <b>Wideband input</b>  | 7-16 female  |   | 1 5/8" SMS unflanged                                      |                       |          |                    |                       |          |          |
| Average input power  | ≤ 1.1 kW   |   | ≤ 4 kW  |                       |          |                    |                       |          |          |
| DTV mask filtering   | No   |   |   |                       |          |                    |                       |          |          |
| Insertion loss   | ≤ 0.1 dB (non adjacent)  |   |   |                       |          |                    |                       |          |          |
| <b>Output</b>  | 7-16 female  |   | 1 5/8" SMS unflanged                                      |                       |          |                    |                       |          |          |
| Peak output voltage  | ≤ 2.8 kV   |   | ≤ 6 kV  |                       |          |                    |                       |          |          |
| Isolation between inputs   | ≥ 35 dB  |   |   |                       |          |                    |                       |          |          |
| VSWR (one WB channel)  | ≤ 1.06   |   |   |                       |          |                    |                       |          |          |
| Dimensions (L x W x H) mm  | 482 x 483 x 177 (4RU)  |   | 510 x 483 x 177 (4RU)                                     |                       |          |                    |                       |          |          |
| Weight   | ≈ 17 kg  |   | ≈ 20 kg   |                       |          |                    |                       |          |          |
| Environmental conditions   | For limitations see „Environmental Conditions for Broadcast Products“. |   |   |                       |          |                    |                       |          |          |