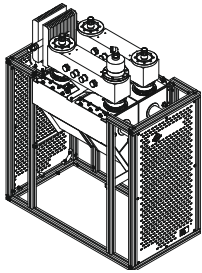
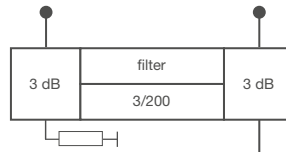
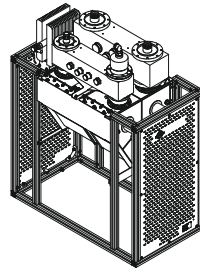


## CCS UHF CIB Combiners

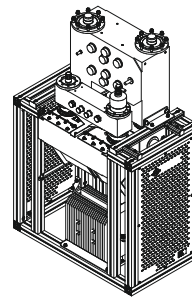
- **CCS** compact design
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated
- Tuneable within the whole UHF range



BN 576043A0010



BN 576044A0010



BN 576045A0020

| Part Number                                       | BN 576043A0010   | BN 576044A0010   | BN 576045A0020   |
|---|--|--|--|
| Frequency range                                   |  | 470 - 800 MHz  |  |
| Channel spacing                                   |  | ≥ 2  |  |
| <b>Narrowband input</b>                           |  | 3 1/8" EIA male  |  |
| Filter type integrated cavities/size              |  | <b>3/200 ≡ BN 616434</b>   |  |
| Temperature stability                             |  | ≤ 2 kHz / K  |  |
| Harmonics attenuation                             |  | ≥ 25 dB for f ≤ 860 MHz  |  |
| DTV mask filtering                                |  | No   |  |
| Channel width                                     | 8 MHz<br>(Û/U <sub>rms</sub> =13 dB)   |  | 6 MHz<br>(Û/U <sub>rms</sub> =13 dB)   |
| Average input power                               |  | ≤ <b>20 kW</b>   |  |
| Tuning instruction                                | AS3002   |  | AS3004   |
| Insertion loss<br>(alternative tuning on request) |  | 470 MHz 860 MHz<br>f <sub>0</sub> ≤ 0.15 dB ≤ 0.20 dB<br>f <sub>0</sub> ± 3.885 ≤ 0.20 dB ≤ 0.25 dB<br>f <sub>0</sub> ± 20 ≥ 17 dB | 470 MHz 803 MHz<br>f <sub>0</sub> ≤ 0.20 dB ≤ 0.25 dB<br>f <sub>0</sub> ± 3.0 ≤ 0.20 dB ≤ 0.25 dB<br>f <sub>0</sub> ± 15 ≥ 17 dB |
| Group delay variation                             |  | Δτ ≤ 10 ns   | Δτ ≤ 10 ns   |
| <b>Wideband input</b>                             | 3 1/8" EIA male  | 4 1/2" EIA male  | 52-120 BT male   |
| Average input power                               | ≤ <b>17 kW</b>   | ≤ <b>33 kW</b>   | ≤ <b>60 kW</b>   |
|   | Attention: The power at the wideband input must be reduced by 50 % of the power fed into the narrowband input. |  |  |
| DTV mask filtering                                |  | No   |  |
| Insertion loss                                    |  | ≤ 0.1 dB (non adjacent)  |  |
| <b>Output</b>                                     | 3 1/8" EIA male  | 4 1/2" EIA male  | 52-120 BT male   |
| Peak output voltage                               | ≤ 12.5 kV  | ≤ 15.5 kV  | ≤ 19.5 kV  |
| Average output power                              | -  | -  | ≤ 60 kW  |
| Isolation between inputs                          |  | ≥ 35 dB  |  |
| VSWR (one WB channel)                             |  | ≤ 1.06   |  |
| Dimensions (L x W x H) mm                         |  | 900 x 480 x 1200   |  |
| Weight  | ≈ 95 kg  | ≈ 115 kg   | ≈ 155 kg   |
| Environmental conditions                          | For limitations see „Environmental Conditions for Broadcast Products“.   |  |  |