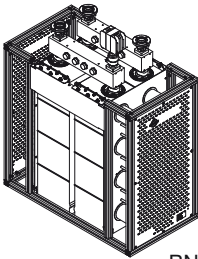
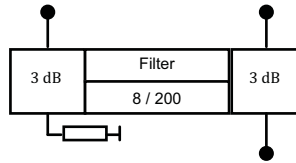
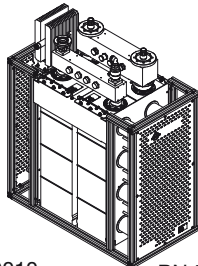


CCS UHF CIB COMBINERS

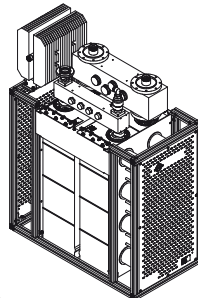
- **CCS** compact design
- integrated mask filters for DTV
- adjacent channel operation
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



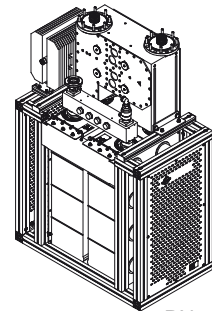
BN 57 49 40 A0010



BN 57 49 39 A0010



BN 57 49 37 A0010



BN 57 49 88 A0020

| Part number | BN 57 49 40 A0010 | | BN 57 49 39 A0010 | | BN 57 49 37 A0010 | | BN 57 49 88 A0020 | |
|--|---|----------|--|----------------|--|----------|-------------------|----------|
| Frequency range | 470 - 860 MHz | | | | | | | |
| Channel spacing | ≥ 0 | | | | | | | |
| Narrow band input | 1 5/8" EIA | | | | | | | |
| Filter type integrated cavities/size | 8/200 ≡ BN 616544 | | | | | | | |
| Temperature stability | ≤ 2 kHz / K | | | | | | | |
| Harmonics attenuation | ≥ 50 dB for f ≤ 860 MHz | | | | | | | |
| DTV Mask filtering | DVB-T @ 8 MHz ($\dot{U}/U_{rms}=13$ dB) | | ISDB-T @ 7 MHz ($\dot{U}/U_{rms}=13$ dB) | | ATSC @ 6 MHz ($\dot{U}/U_{rms}=13$ dB) | | | |
| Average input power | ≤ 7 kW | | ≤ 6.4 kW | | ≤ 6.4 kW | | | |
| Tuning instruction | AS8067 | | AS8074 | | AS8066 | | | |
| Insertion loss & Mask filtering (alternative tuning on request) | 470 MHz | | 860 MHz | | 470 MHz | | 803 MHz | |
| | f_0 | ≤ 0.4 dB | ≤ 0.5 dB | f_0 | ≤ 0.45 dB | ≤ 0.5 dB | f_0 | ≤ 0.5 dB |
| | $f_0 \pm 3.805$ | ≤ 1.0 dB | ≤ 1.4 dB | $f_0 \pm 2.79$ | ≤ 1.20 dB | ≤ 1.5 dB | $f_0 \pm 2.69$ | ≤ 1.0 dB |
| | $f_0 \pm 3.885$ | ≤ 1.5 dB | ≤ 1.7 dB | $f_0 \pm 3.15$ | ≥ 15 dB | | $f_0 \pm 3.0$ | ≥ 4 dB |
| | $f_0 \pm 4.2$ | ≥ 15 dB | | $f_0 \pm 4.5$ | ≥ 30 dB | | $f_0 \pm 3.25$ | ≥ 18 dB |
| | $f_0 \pm 6$ | ≥ 40 dB | | $f_0 \pm 9$ | ≥ 55 dB | | $f_0 \pm 9$ | ≥ 64 dB |
| | $f_0 \pm 12$ | ≥ 55 dB | | | | | | |
| Group delay variation | $\Delta\tau \leq 700$ ns | | $\Delta\tau \leq 500$ ns | | $\Delta\tau \leq 400$ ns | | | |
| Wide band input | 1 5/8" EIA | | 3 1/8" EIA male | | 4 1/2" EIA male | | 52-120 BT male | |
| Average input power | ≤ 7 kW | | ≤ 17.5 kW | | ≤ 33 kW | | ≤ 60 kW | |
| DTV Mask filtering | Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input | | | | | | | |
| Insertion loss | no | | | | | | | |
| | ≤ 0.1 dB (non adjacent) | | | | | | | |
| Output | 1 5/8" EIA | | 3 1/8" EIA male | | 4 1/2" EIA male | | 52-120 BT male | |
| Peak output voltage | ≤ 8.5 kV | | ≤ 12.5 kV | | ≤ 15.5 kV | | ≤ 19.5 kV | |
| Average output power | ≤ 7 kW | | - | | - | | - | |
| Isolation between inputs | ≥ 35 dB | | | | | | | |
| VSWR (one WB channel) | ≤ 1.06 | | | | | | | |
| Dimensions (L x W x H) mm | 900 x 480 x 1200 | | 900 x 480 x 1200 | | 900 x 480 x 1200 | | 900 x 520 x 1400 | |
| Weight | ≈ 160 kg | | ≈ 170 kg | | ≈ 185 kg | | ≈ 230 kg | |
| Environmental conditions | for limitations see „Environmental Conditions for Broadcast Products“ | | | | | | | |