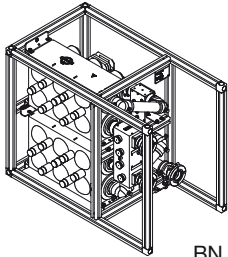
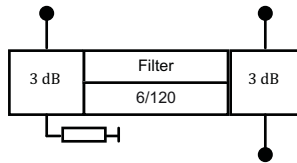
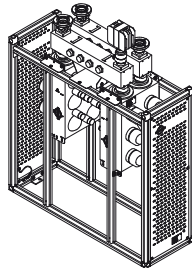


CCS UHF CIB COMBINERS

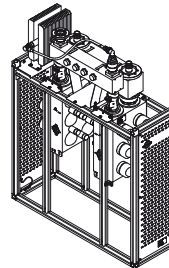
- CCS compact design
- integrated mask filters for DTV
- adjacent channel operation
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- tuneable within the whole UHF range



BN 57 55 11 A0070



BN 57 55 12 A0040



BN 57 55 13 A0040

| Part number / Size | BN 57 55 11 A0070 448 | BN 57 55 12 A0030 700 BN 57 55 12 A0040 900 | BN 57 55 13 A0030 700 BN 57 55 13 A0040 900 |
|--|---|---|--|
| Frequency range | 470 - 860 MHz | | |
| Channel spacing | ≥ 0 | | |
| Narrow band input | 1 5/8" EIA | | |
| Filter type integrated cavities/size | 6/120 ≡ BN 616663 | | |
| Temperature stability | ≤ 2 kHz / K | | |
| Harmonics attenuation | ≥ 50 dB for f ≤ 1100 MHz | | |
| DTV Mask filtering | DVB-T @ 8 MHz ($\dot{U}/U_{rms}=13$ dB) | ISDB-T @ 6 MHz ($\dot{U}/U_{rms}=13$ dB) | ATSC @ 6 MHz ($\dot{U}/U_{rms}=11$ dB) |
| Average input power | ≤ 3.2 kW | ≤ 2.6 kW | ≤ 2.6 kW |
| Tuning instruction | AS6224 | AS6229 | AS6228 |
| Insertion loss & Mask filtering (alternative tuning on request) | 470 MHz 860 MHz f_0 ≤ 0.4 dB ≤ 0.5 dB $f_0 \pm 3.805$ ≤ 0.9 dB ≤ 1.2 dB $f_0 \pm 3.885$ ≤ 1.0 dB ≤ 1.4 dB $f_0 \pm 4.2$ ≥ 4 dB $f_0 \pm 6$ ≥ 20 dB $f_0 \pm 12$ ≥ 40 dB | 470 MHz 803 MHz f_0 ≤ 0.45 dB ≤ 0.6 dB $f_0 \pm 2.79$ ≤ 1.20 dB ≤ 1.5 dB $f_0 \pm 3.0$ ≥ 3 dB $f_0 \pm 3.15$ ≥ 5 dB $f_0 \pm 4.5$ ≥ 17 dB $f_0 \pm 9$ ≥ 38 dB $f_0 \pm 15$ ≥ 48 dB | 470 MHz 803 MHz f_0 ≤ 0.50 dB ≤ 0.65 dB $f_0 \pm 2.69$ ≤ 0.65 dB ≤ 1.40 dB $f_0 \pm 3.5$ ≥ 3 dB $f_0 \pm 4$ ≥ 8 dB $f_0 \pm 6$ ≥ 30 dB $f_0 \pm 9$ ≥ 65 dB |
| Group delay variation | $\Delta\tau$ ≤ 350 ns | $\Delta\tau$ ≤ 450 ns | $\Delta\tau$ ≤ 250 ns |
| Wide band input | 1 5/8" EIA | | 3 1/8" EIA male |
| Average input power | ≤ 7 kW Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input | | ≤ 17.5 kW |
| DTV Mask filtering | no | | |
| Insertion loss | ≤ 0.1 dB (non adjacent) | | |
| Output | 1 5/8" EIA | | 3 1/8" EIA male |
| Peak output voltage | ≤ 8.5 kV | | ≤ 12.5 kV |
| Isolation between inputs | ≥ 35 dB | | |
| VSWR (one WB channel) | ≤ 1.06 | | |
| Dimensions (L x W x H) mm | 800 x 448 x 617 | 700 x 315 x 1200 BN 57 55 12 A0030 900 x 315 x 1200 BN 57 55 12 A0040 | 700 x 315 x 1200 BN 57 55 13 A0030 900 x 315 x 1200 BN 57 55 13 A0040 |
| Weight | ≈ 70 kg | | ≈ 80 kg |
| Environmental conditions | for limitations see „Environmental Conditions for Broadcast Products“ | | |