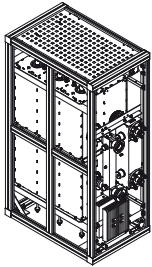
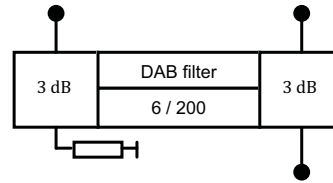


BAND 3 DAB CIB COMBINERS

- **CCS** compact design
- for 1.54 MHz block width
- integrated mask filters for DAB and T-DMB
- adjacent block operation
- temperature compensated
- filters without cross coupling (notch function)



Part number	BN 57 49 90
Frequency range	170 - 240 MHz
Block spacing	≥ 0
Narrow band input	1 5/8" EIA
Filter type integrated cavities/size	6/200 ≡ BN 61 71 11
Temperature stability	≤ 2 kHz / K
Harmonics attenuation	≥ 50 dB for f ≤ 500 MHz
DAB and T-DMB Mask filtering	DAB / T-DMB @ 1.54 MHz ($\dot{U}/U_{rms}=13$ dB)
Average input power	≤ 6 kW
Tuning instruction	AS6029
Insertion loss & Mask filtering (alternative tuning on request)	$f_0 \leq 0.75$ dB $f_0 \pm 0.77$ MHz ≤ 1.20 dB $f_0 \pm 0.97$ MHz ≥ 8 dB $f_0 \pm 1.15$ MHz ≥ 16 dB $f_0 \pm 1.75$ MHz ≥ 43 dB $f_0 \pm 2.2$ MHz ≥ 53 dB $f_0 \pm 3.0$ MHz ≥ 73 dB
Group delay variation	$\Delta\tau \leq 800$ ns
Wide band input	3 1/8" EIA male
Average input power	≤ 30 kW Attention: The power at the wide band input must be reduced by 50 % of the power fed into the narrow band input
Mask filtering	no
Insertion loss	≤ 0.1 dB (non adjacent)
Output	3 1/8" EIA male
Peak output voltage	≤ 12.7 kV
Isolation between inputs	≥ 35 dB
VSWR	≤ 1.1
Dimensions (L x W x H) mm	925 x 520 x 1420
Weight	≈ 200 kg
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“