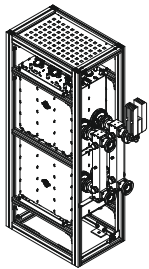
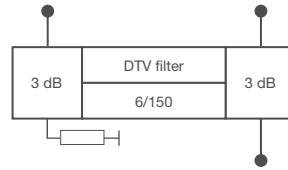
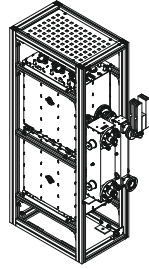


## Band 3 DTV CIB Combiners

- Compact design
- For 6, 7 and 8 MHz channel bandwidth
- Integrated mask filters for DTV
- Adjacent channel operation
- Temperature compensated
- Filters with cross coupling (notch function)
- Tuneable within the whole band 3



BN 574936



BN 574938

Multi Channel Combiners

Part Number	BN 574936	BN 574938
Frequency range	174 - 230 MHz	
Block spacing	≥ 0	
<b>Narrowband input</b>	1 5/8" EIA	
Filter type integrated cavities/size	<b>6/150 ≡ BN 617126</b>	
Temperature stability	≤ 2 kHz / K	
Mask filtering	DVB-T @ 7 MHz ( $\dot{U}/U_{rms}=13$ dB)	ATSC 1.0 @ 6 MHz ( $\dot{U}/U_{rms}=11$ dB)
Average input power	≤ <b>8 kW</b>	≤ <b>7.2 kW</b>
Tuning instruction	AS6044	AS6079
Insertion loss & mask filtering (alternative tuning on request)	$f_0$ ≤ 0.40 dB $f_0 \pm 3.35$ ≤ 0.70 dB $f_0 \pm 3.50$ ≥ 0.80 dB $f_0 \pm 3.65$ ≥ 2.0 dB $f_0 \pm 5.00$ ≥ 35 dB $f_0 \pm 12.0$ ≥ 55 dB	$f_0$ ≤ 0.45 dB $f_0 \pm 2.69$ ≤ 0.70 dB $f_0 \pm 3.00$ ≥ 1.4 dB $f_0 \pm 3.50$ ≥ 5.0 dB $f_0 \pm 4.00$ ≥ 11 dB $f_0 \pm 6.00$ ≥ 30 dB $f_0 \pm 9.00$ ≥ 65 dB
Group delay variation	$\Delta\tau \leq 350$ ns	$\Delta\tau \leq 200$ ns
<b>Wideband input</b>	1 5/8" EIA	3 1/8" EIA male
Average input power	≤ <b>14 kW</b>	≤ <b>30 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>	1 5/8" EIA	3 1/8" EIA male
Peak output voltage	≤ 7.7 kV	≤ 12.7 kV
Average output power	≤ 13.5 kW	-
Isolation between inputs	≥ 35 dB	
VSWR	≤ 1.1	
Dimensions (L x W x H) mm	≈ 852 x 390 x 1420	≈ 852 x 390 x 1420
Weight	≈ 120 kg	≈ 130 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.	