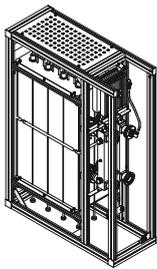
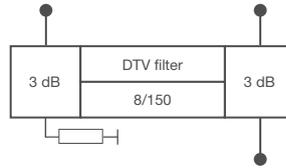


Band 3 DTV CIB Combiners

- 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 574686



BN 574687

Part Number	BN 574686	BN 574687
Frequency range	174 - 230 MHz	
Block spacing	≥ 0	
Narrowband input	1 5/8" EIA	
Filter type integrated cavities/size	8/150 ≡ BN 617191	
Temperature stability	≤ 2 kHz / K	
Mask filtering	DVB-T @ 7 MHz (\dot{U}/U_{rms} =13 dB)	
Average input power	≤ 7 kW	
Tuning instruction	AS8049	
Insertion loss & mask filtering (alternative tuning on request)	f_0 ≤ 0.45 dB $f_0 \pm 3.35$ ≤ 0.95 dB $f_0 \pm 3.70$ ≥ 15 dB $f_0 \pm 5.25$ ≥ 30 dB $f_0 \pm 10.5$ ≥ 50 dB $f_0 \pm 11.75$ ≥ 55 dB	
Group delay variation	$\Delta\tau$ ≤ 600 ns	
Wideband input	1 5/8" EIA	3 1/8" EIA male
Average input power	≤ 14 kW	≤ 30 kW
	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)	
Output	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	≈ 1000 x 390 x 1420	
Weight	≈ 155 kg	≈ 160 kg
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.	