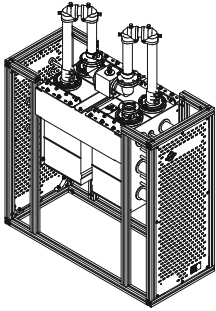
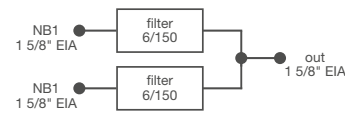


## CCS UHF Starpoint Combiners

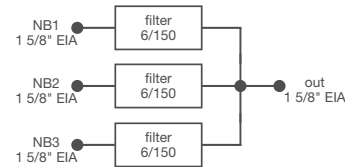
- **CCS** compact design
- Integrated mask filters for DTV
- Applicable within the whole UHF range
- For 6, 7 and 8 MHz channel bandwidth
- Temperature compensated



Typical design



**BN 574610**



**BN 574611**

Multi Channel Combiners

Part Number Number of Inputs	BN 574610 2-Way				BN 574611 3-Way				
Frequency range	470 - 860 MHz								
Channel spacing	≥ 1								
<b>Narrowband input</b>	1 5/8" EIA								
Filter type integrated cavities/size	6/150 ≡ BN 616518								
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 @ 6 MHz ( $\dot{U}/U_{rms}=13$ dB)		DVB-T @ 7 MHz ( $\dot{U}/U_{rms}=13$ dB)				
Average input power	≤ 2.5 kW		≤ 2.0 kW		≤ 2.25 kW				
Tuning instruction	AS6193		AS6184		AS6289				
Insertion loss & mask filtering (alternative tuning on request)		470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	820 MHz		
	$f_0$	≤ 0.4 dB	≤ 0.55 dB	≤ 0.5 dB	≤ 0.7 dB	≤ 0.45 dB	≤ 0.60 dB		
	$f_0 \pm 3.805$	≤ 0.85 dB	≤ 1.3 dB	$f_0 \pm 2.79$	≤ 1.2 dB	≤ 1.6 dB	$f_0 \pm 3.2$	≤ 0.65 dB	≤ 0.95 dB
	$f_0 \pm 3.885$	≤ 1.05 dB	≤ 1.5 dB	$f_0 \pm 3.00$	≥ 3.5 dB		$f_0 \pm 4.2$	≥ 13 dB	
	$f_0 \pm 4.2$	≥ 4 dB		$f_0 \pm 3.15$	≥ 8 dB		$f_0 \pm 10.5$	≥ 38 dB	
	$f_0 \pm 6.0$	≥ 20 dB		$f_0 \pm 4.5$	≥ 23 dB				
	$f_0 \pm 12.0$	≥ 40 dB		$f_0 \pm 9.0$	≥ 48 dB				
			$f_0 \pm 15.0$	≥ 50 dB					
Group delay variation	$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 500$ ns		$\Delta\tau \leq 150$ ns				
<b>Output</b>	1 5/8" EIA male								
Isolation between inputs	≥ 35 dB								
VSWR	≤ 1.2								
Dimensions (L x W x H) mm	900 x 390 x 1200				900 x 780 x 1200				
Weight	≈ 80 kg				≈ 130 kg				
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.								