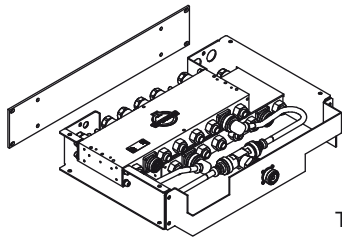
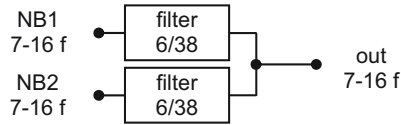


UHF STARPOINT COMBINERS

- compact design as 19" slide-in unit
- integrated mask filters for DTV
- applicable within the whole UHF range
- for 6, 7 and 8 MHz channel bandwidth
- temperature compensated
- wall mount available



Typical design

Part number Front plate design	BN 57 46 55 C0002 ports at rear side								
Frequency range	470 - 860 MHz								
Channel spacing	≥ 1								
<b>Narrow band inputs</b>	7-16 female								
Filter type integrated cavities/size	<b>6/38 ≡ BN 616501</b>								
Temperature stability	≤ 3 kHz / K								
Harmonics attenuation	≥ 60 dB for f ≤ 1340 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	≤ 100 W		≤ 100 W		≤ 100 W				
Tuning instruction	AS6214		AS6180		AS6074				
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz		860 MHz		470 MHz 803 MHz				
	$f_0$	≤ 0.8 dB	≤ 1.0 dB	$f_0$	≤ 0.9 dB	≤ 1.4 dB	$f_0$	≤ 1.0 dB	≤ 1.2 dB
	$f_0 \pm 3.805$	≤ 1.8 dB	≤ 2.3 dB	$f_0 \pm 2.79$	≤ 1.8 dB	≤ 3.5 dB	$f_0 \pm 2.69$	≤ 1.7 dB	≤ 2.0 dB
	$f_0 \pm 3.885$	≤ 2.1 dB	≤ 2.6 dB	$f_0 \pm 3.00$	≥ 2 dB		$f_0 \pm 3.0$	≤ 2.9 dB	≤ 3.1 dB
	$f_0 \pm 4.2$	≥ 5 dB		$f_0 \pm 3.15$	≥ 5 dB		$f_0 \pm 3.5$	≥ 10 dB	
	$f_0 \pm 6.0$	≥ 17 dB		$f_0 \pm 4.5$	≥ 17 dB		$f_0 \pm 4.0$	≥ 15 dB	
	$f_0 \pm 12.0$	≥ 38 dB		$f_0 \pm 9.0$	≥ 38 dB		$f_0 \pm 6.0$	≥ 26 dB	
			$f_0 \pm 15.0$	≥ 48 dB		$f_0 \pm 9.0$	≥ 38 dB		
Group delay variation	$\Delta\tau \leq 300$ ns		$\Delta\tau \leq 500$ ns		$\Delta\tau \leq 200$ ns				
<b>Output</b>	7-16 female								
Isolation between inputs	≥ 35 dB								
VSWR	≤ 1.2								
Dimensions (L x W x H) mm	400 x 483 x 90 (2RU)								
Weight	≈ 9 kg								
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“								

Mehrsenderweichen  
Multi-Channel Combiners