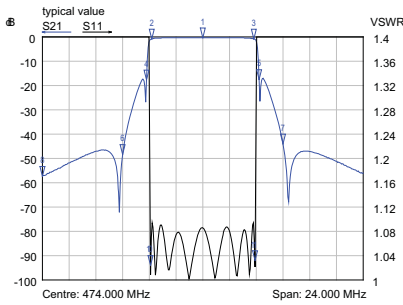


### 3.2 KW - 12.5 KW UHF DTV BANDPASS FILTER

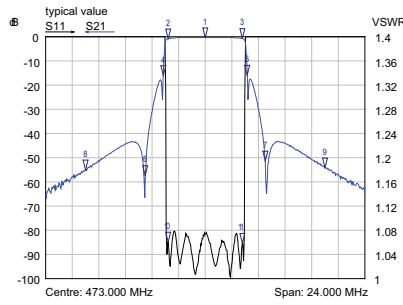
- mask filter for DTV and ATV
- for 6, 7 and 8 MHz channel bandwidth
- with cross coupling (notch function)
- tuneable within the whole UHF range
- temperature compensated
- installation horizontally or vertically
- DC block
- natural or liquid cooling



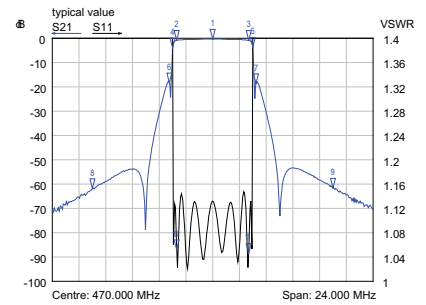
Bandpassfilter  
Bandpass Filters



Typical diagram AS8067



Typical diagram AS8074



Typical diagram AS8066

<b>Part number / Connectors</b>	<b>BN 61 65 44 C0010 1 5/8" EIA</b>	<b>BN 61 65 54 C0020 3 1/8" SMS unflanged</b>	<b>BN 61 65 54 C0021 1 5/8" EIA</b>	<b>BN 61 65 54 C0022 3 1/8" EIA male</b>
<b>Cooling</b>	<b>natural cooling</b>			
<b>Frequency range</b>	470 - 860 MHz			
<b>Number / Size of cavities</b>	<b>8 / 200</b>			
<b>Harmonics attenuation</b>	≥ 50 dB for f ≤ 860 MHz			
<b>Mask filtering</b>	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)	
<b>Average input power</b> The input power of liquid cooled filters must be reduced if installed more than 500 m above sea level.	natural cooling ≤ 4 kW liquid cooling 1 5/8" input ≤ 7 kW liquid cooling 3 1/8" input ≤ 12.5 kW @ 0 - 500 m ≤ 10 kW @ 2000 m ≤ 8 kW @ 3200 m	natural cooling ≤ 3.2 kW liquid cooling 1 5/8" input ≤ 7 kW liquid cooling 3 1/8" input ≤ 10 kW @ 0 - 500 m ≤ 8 kW @ 2000 m ≤ 6 kW @ 3400 m	natural cooling ≤ 3.2 kW liquid cooling 1 5/8" input ≤ 7 kW liquid cooling 3 1/8" input ≤ 10 kW @ 0 - 500 m ≤ 8 kW @ 2000 m ≤ 6 kW @ 3400 m	
<b>Tuning instruction</b>	AS8067		AS8066	
<b>Insertion loss &amp; Mask filtering</b> (alternative tuning on request)	470 MHz 860 MHz	470 MHz 803 MHz	470 MHz 820 MHz	
	$f_0$ ≤ 0.3 dB ≤ 0.4 dB $f_0 \pm 3.805$ ≤ 0.9 dB ≤ 1.3 dB $f_0 \pm 3.885$ ≤ 1.4 dB ≤ 1.6 dB $f_0 \pm 4.2$ ≥ 15 dB $f_0 \pm 6.0$ ≥ 40 dB $f_0 \pm 12.0$ ≥ 55 dB	$f_0$ ≤ 0.35 dB ≤ 0.4 dB $f_0 \pm 2.79$ ≤ 1.10 dB ≤ 1.4 dB $f_0 \pm 3.15$ ≥ 15 dB $f_0 \pm 4.5$ ≥ 30 dB $f_0 \pm 9.0$ ≥ 55 dB	$f_0$ ≤ 0.4 dB ≤ 0.45 dB $f_0 \pm 2.69$ ≤ 0.9 dB ≤ 1.20 dB $f_0 \pm 3.00$ ≥ 4 dB $f_0 \pm 3.25$ ≥ 18 dB $f_0 \pm 9.00$ ≥ 64 dB	
<b>VSWR (pass band range)</b>	≤ 1.10		≤ 1.10	
<b>Group delay variation</b>	$\Delta\tau$ ≤ 700 ns		$\Delta\tau$ ≤ 400 ns	
<b>Temperature stability</b>	≤ 2 kHz / K			
<b>Dimensions (L x W x H) mm</b>	874 x 450 x 440		869 x 450 x 440 BN 61 65 54 C0020 874 x 450 x 440 BN 61 65 54 C0021 943 x 450 x 440 BN 61 65 54 C0022	
<b>Weight</b>	ca. 59 kg		ca. 64 kg	
<b>Coolant / Flow rate</b>	-		mix: glycol and water BN 15 45 67 / ≥ 3 l/min	
<b>Temperature of the coolant</b>	-		20 °C - 60 °C	
<b>Cooling interface</b>	-		for hose with inner width 3/4"	
<b>Material of cooling</b>	-		stainless steel pipe	
<b>Environmental conditions</b>	for limitations see „Environmental Conditions for Broadcast Products“			