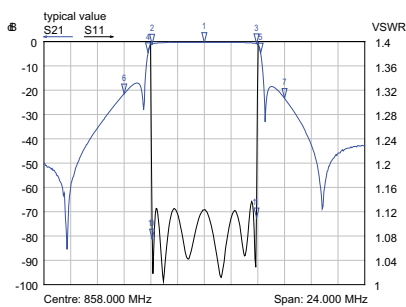
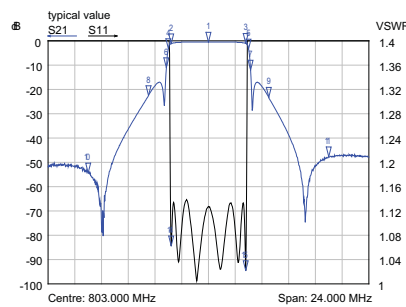


### 3 KW - 7.5 KW UHF DTV BANDPASS FILTER

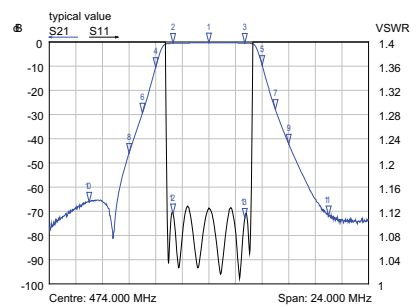
- mask filter for DTV and ATV
- for 6, 7 and 8 MHz channel bandwidth
- with cross coupling (notch function)
- tuneable within the whole UHF range
- temperature compensated
- DC block
- installation horizontally or vertically
- low profile design
- natural or liquid cooling



Typical diagram AS6217



Typical diagram AS6222



Typical diagram AS6221

Part number / Connectors	BN 61 66 65 C1031 1 5/8" SMS unflanged BN 61 66 65 C1033 1 5/8" EIA		BN 61 66 65 C2041 3 1/8" SMS unflanged BN 61 66 65 C2043 3 1/8" EIA	
Cooling	natural cooling		liquid cooling	
Frequency range	470 - 860 MHz			
Number / Size of cavities	6 / 170			
Harmonics attenuation	≥ 50 dB for f ≤ 1000 MHz			
Mask filtering	DVB-T @ 8 MHz ( $\dot{U}/U_{rms} = 13$ dB)		ISDB-T @ 6 MHz ( $\dot{U}/U_{rms} = 13$ dB)	
Average input power	≤ 3.75 kW natural cooling ≤ 7.50 kW liquid cooling		≤ 3.0 kW natural cooling ≤ 6.0 kW liquid cooling	
Tuning instruction	AS6217		AS6222	
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 860 MHz		470 MHz 803 MHz	
	$f_0$	≤ 0.25 dB ≤ 0.35 dB	$f_0$	≤ 0.40 dB ≤ 0.50 dB
	$f_0 \pm 3.805$	≤ 0.75 dB ≤ 0.90 dB	$f_0 \pm 2.79$	≤ 1.05 dB ≤ 1.25 dB
	$f_0 \pm 3.885$	≤ 0.90 dB ≤ 1.00 dB	$f_0 \pm 3.00$	≥ 3dB
	$f_0 \pm 4.2$	≥ 4 dB	$f_0 \pm 3.15$	≥ 5 dB
	$f_0 \pm 6.0$	≥ 20 dB	$f_0 \pm 4.5$	≥ 17 dB
	$f_0 \pm 12.0$	≥ 40 dB	$f_0 \pm 9.0$	≥ 38 dB
			$f_0 \pm 15.0$	≥ 48 dB
VSWR (pass band range)	≤ 1.15		≤ 1.15	
Group delay variation	$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 400$ ns	
Temperature stability	≤ 2 kHz / K			
Dimensions (L x W x H) mm	602 x 448 x 271	BN 61 66 65 C1031	606 x 448 x 271	BN 61 66 65 C2041
	617 x 448 x 271	BN 61 66 65 C1033	630 x 448 x 271	BN 61 66 65 C2043
Weight	ca. 36 kg			
Coolant / Flow rate	-		mix: glycol and water BN 15 45 67 / ≥ 3 l/min	
Temperature of the coolant	-		10 °C - 55 °C	
Cooling interface	-		aluminium tube 12 mm x 1 mm unflanged	
Cooling accessories	-		see appendix	
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“			