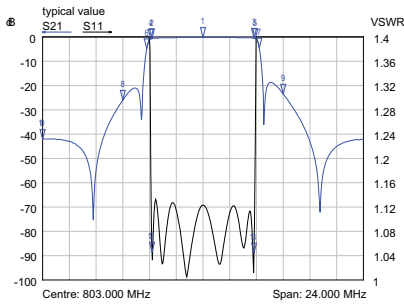
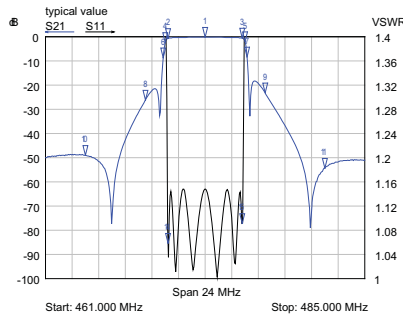


### 6.75 KW - 18 KW UHF DTV BANDPASS FILTER

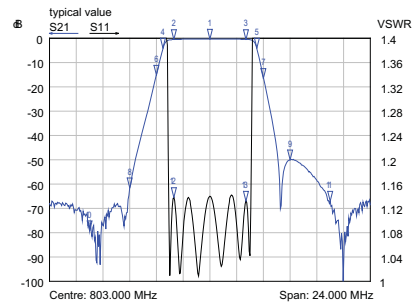
- mask filter for DTV and ATV
- for 6, 7 and 8 MHz channel bandwidth
- with cross coupling (notch function)
- tuneable within the whole UHF range
- temperature compensated
- installation horizontally or vertically
- DC block
- natural or liquid cooling



Typical diagram AS6303



Typical diagram AS6365



Typical diagram AS6308

Part number / Connectors	<b>BN 61 66 69 C1041 3 1/8" SMS unflanged</b> <b>BN 61 66 69 C1043 3 1/8" EIA</b>		<b>BN 61 66 69 C2041 3 1/8" SMS unflanged</b> <b>BN 61 66 69 C2043 3 1/8" EIA</b>	
Cooling	natural cooling		liquid cooling	
Frequency range	470 - 790 MHz			
Number / Size of cavities	6 / 230			
Harmonics attenuation	≥ 50 dB for f ≤ 800 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	natural cooling ≤ <b>8.5 kW</b> liquid cooling ≤ <b>18 kW</b> @ 0 - 500 m ≤ <b>16 kW</b> @ 1400 m ≤ <b>14 kW</b> @ 2200 m ≤ <b>12 kW</b> @ 3000 m ≤ <b>10 kW</b> @ 3800 m		natural cooling ≤ <b>6.75 kW</b> liquid cooling ≤ <b>15 kW</b> @ 0 - 500 m ≤ <b>14 kW</b> @ 1000 m ≤ <b>12 kW</b> @ 2000 m ≤ <b>10 kW</b> @ 3000 m ≤ <b>8 kW</b> @ 4000 m	
Tuning instruction	AS6303		AS6365	
Insertion loss & Mask filtering (alternative tuning on request)	470 MHz 790 MHz $f_0 \leq 0.20$ dB ≤ 0.30 dB $f_0 \pm 3.805 \leq 0.65$ dB ≤ 0.80 dB $f_0 \pm 3.885 \leq 0.75$ dB ≤ 0.90 dB $f_0 \pm 4.20 \geq 4$ dB $f_0 \pm 6.00 \geq 20$ dB $f_0 \pm 12.0 \geq 40$ dB		470 MHz 790 MHz $f_0 \leq 0.30$ dB ≤ 0.35 dB $f_0 \pm 2.79 \leq 0.75$ dB ≤ 0.90 dB $f_0 \pm 3.00 \geq 2$ dB $f_0 \pm 3.15 \geq 8$ dB $f_0 \pm 4.50 \geq 23$ dB $f_0 \pm 9.00 \geq 48$ dB $f_0 \pm 15.0 \geq 50$ dB	
VSWR (pass band range)	≤ 1.15		≤ 1.15	
Group delay variation	$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 500$ ns	
Temperature stability	≤ 2 kHz / K			
Dimensions (L x W x H) mm	775 x 570 x 352 798 x 570 x 352		781 x 570 x 352 804 x 570 x 352	
Weight	ca. 55 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	-		stainless steel tube 12 mm x 1 mm unflanged	
Cooling accessories	-		see page annex	
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“			