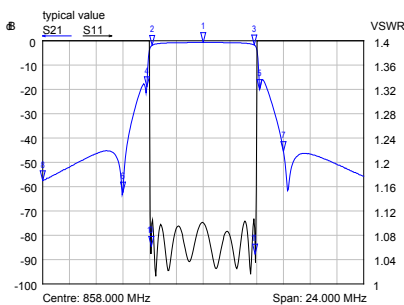
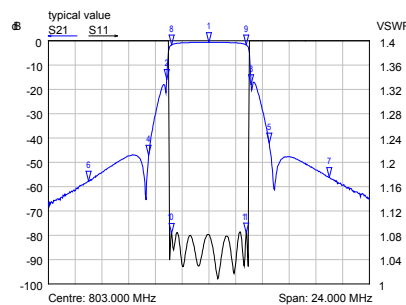


## 1.6 kW - 2.0 kW UHF DTV Bandpass Filters

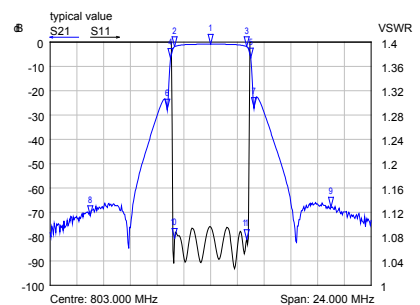
- Mask filters for ATV and DTV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically



Typical diagram AS8071



Typical diagram AS8096



Typical diagram AS8094

Part Number Connector	BN 616542C1033 1 5/8" EIA		BN 616542C1031 1 5/8" Unflanged	
	Frequency range	470 - 860 MHz		
Number/size of cavities	8/150			
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz			
<b>TV standard</b>	DVB-T @ 8 MHz ( $\dot{U}/U_{rms} = 13$ dB)	ISDB-T @ 6 MHz ( $\dot{U}/U_{rms} = 13$ dB)	ATSC 1.0 @ 6 MHz ( $\dot{U}/U_{rms} = 11$ dB)	
Average input power	≤ 2 kW	≤ 1.6 kW	≤ 1.6 kW	
Tuning instruction	AS8071	AS8096	AS8094	
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz	470 MHz 803 MHz	470 MHz 803 MHz	
	$f_0$ ≤ 0.4 dB ≤ 0.65 dB	$f_0$ ≤ 0.50 dB ≤ 0.70 dB	$f_0$ ≤ 0.70 dB ≤ 0.90 dB	
	$f_0 \pm 3.805$ ≤ 1.5 dB ≤ 2.10 dB	$f_0 \pm 2.79$ ≤ 1.30 dB ≤ 1.75 dB	$f_0 \pm 2.69$ ≤ 1.50 dB ≤ 1.60 dB	
	$f_0 \pm 3.885$ ≤ 1.7 dB ≤ 2.40 dB	$f_0 \pm 3.15$ ≥ 15 dB	$f_0 \pm 3.00$ ≥ 4 dB	
	$f_0 \pm 4.2$ ≥ 15 dB	$f_0 \pm 4.5$ ≥ 30 dB	$f_0 \pm 3.25$ ≥ 18 dB	
	$f_0 \pm 6.0$ ≥ 40 dB	$f_0 \pm 9.0$ ≥ 55 dB	$f_0 \pm 9.0$ ≥ 64 dB	
$f_0 \pm 12.0$ ≥ 55 dB				
VSWR (passband range)	≤ 1.15	≤ 1.11	≤ 1.10	
Group delay variation	$\Delta\tau \leq 700$ ns	$\Delta\tau \leq 500$ ns	$\Delta\tau \leq 400$ ns	
Temperature stability	≤ 2 kHz / K			
Dimensions (L x W x H) mm	675 x 326 x 411			
Weight	≈ 36 kg			
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.			