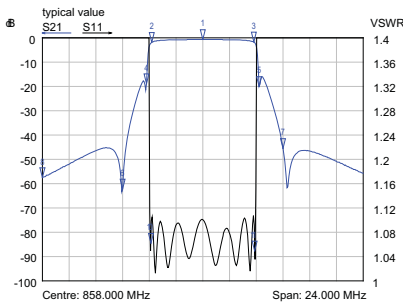


1.6 KW - 2.0 KW UHF DTV BANDPASS FILTER

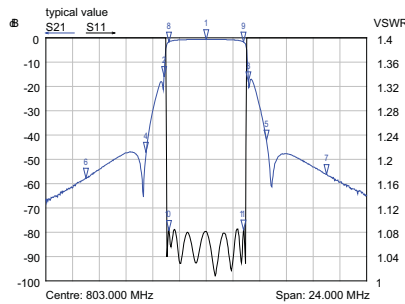
- mask filter for ATV and DTV
- for 6, 7 and 8 MHz channel bandwidth
- with cross coupling (notch function)
- tuneable within whole UHF range
- temperature compensated
- DC block
- installation horizontally or vertically



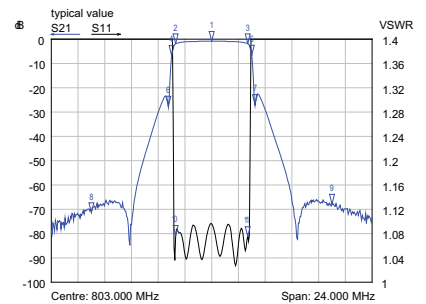
Bandpassfilter
Bandpass Filters



Typical diagram AS8071



Typical diagram AS8096



Typical diagram AS8094

Part number Connector	BN 61 65 42 C0010 1 5/8" EIA		BN 61 65 42 C0011 7-16 female			
Frequency range	470 - 860 MHz					
Number / Size of cavities	8 / 150					
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz					
TV standard	DVB-T @ 8 MHz ($\dot{U}/U_{rms} = 13$ dB)		ISDB-T @ 6 MHz ($\dot{U}/U_{rms} = 13$ dB)			
Average input power	≤ 2 kW		≤ 1.6 kW			
Tuning instruction	AS8071		AS8096			
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 ≤ 2.00 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
VSWR (pass band 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					
Connectors	1 5/8" EIA		7-16 female			
Dimensions (L x W x H) mm	639 x 326 x 411		675 x 326 x 411			
Weight	ca. 36 kg					
Environmental conditions	for limitations see „Environmental Conditions for Broadcast Products“					