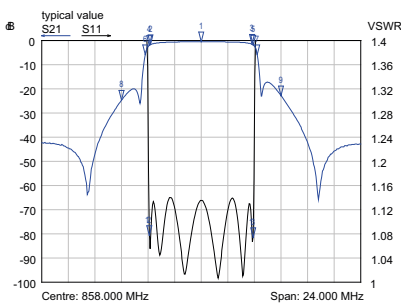
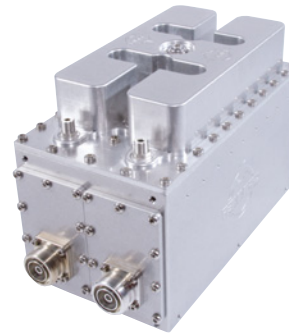
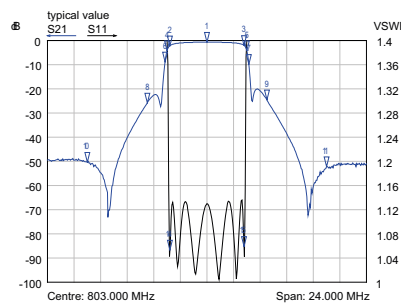


## 300 W - 375 W UHF DTV Bandpass Filter

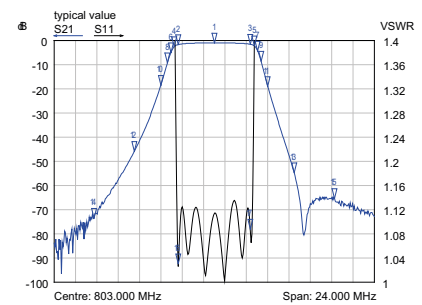
- Mask filter for ATV and DTV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically
- Low profile design



Typical diagram AS6201



Typical diagram AS6192



Typical diagram AS6257

Part Number	BN 616566C1025						
Frequency range	470 - 860 MHz						
Number/size of cavities	6/60						
Harmonics attenuation	≥ 50 dB for $f \leq 1200$ 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	≤ 375 W		≤ 300 W		≤ 300 W		
Tuning instruction	AS6201		AS6192		AS6257		
Insertion loss & mask filtering (alternative tuning on request)		470 MHz	860 MHz	470 MHz	803 MHz	470 MHz	803 MHz
	$f_0$	≤ 0.45 dB	≤ 0.55 dB	$f_0 \pm 2.79$	≤ 0.6 dB ≤ 0.75 dB	$f_0$	≤ 0.7 dB ≤ 1.0 dB
	$f_0 \pm 3.805$	≤ 1.25 dB	≤ 1.75 dB	$f_0 \pm 2.79$	≤ 1.6 dB ≤ 2.20 dB	$f_0 \pm 2.69$	≤ 1.4 dB ≤ 1.7 dB
	$f_0 \pm 3.885$	≤ 1.45 dB	≤ 2.00 dB	$f_0 \pm 3.00$	≥ 4 dB	$f_0 \pm 3.0$	≤ 2.6 dB ≤ 2.7 dB
	$f_0 \pm 4.2$	≥ 4 dB		$f_0 \pm 3.15$	≥ 8 dB	$f_0 \pm 3.25$	≥ 4 dB
	$f_0 \pm 6.0$	≥ 20 dB		$f_0 \pm 4.50$	≥ 23 dB	$f_0 \pm 3.5$	≥ 8 dB
	$f_0 \pm 12.0$	≥ 40 dB		$f_0 \pm 9.00$	≥ 48 dB	$f_0 \pm 4.0$	≥ 15 dB
				$f_0 \pm 15.0$	≥ 50 dB	$f_0 \pm 6.0$	≥ 40 dB
					$f_0 \pm 9.0$	≥ 65 dB	
VSWR (passband range)	≤ 1.15		≤ 1.15		≤ 1.15		
Group delay variation	$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 350$ ns		$\Delta\tau \leq 200$ ns		
Temperature stability	≤ 2 kHz / K						
Connectors	7-16 female						
Dimensions (L x W x H) mm	260 x 129 x 175						
Weight	≈ 6 kg						
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.						