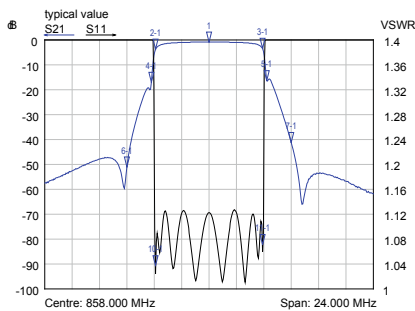
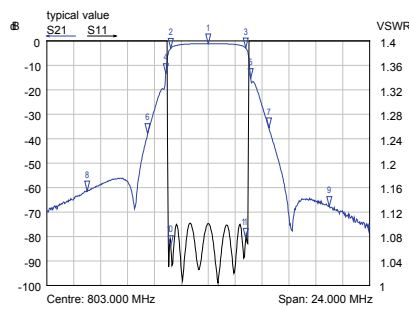


300 W - 375 W UHF DTV Bandpass Filter

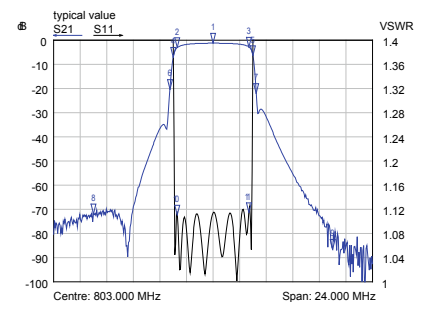
- Mask filter for ATV and DTV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically
- Low profile design



Typical diagram AS8087



Typical diagram AS8095



Typical diagram AS8084

Bandpass Filters

Part Number	BN 616568C1025		
Frequency range	470 - 860 MHz		
Number/size of cavities	8/60		
Harmonics attenuation	≥ 50 dB for f ≤ 1200 MHz		
TV standard	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	AS8087	AS8095	AS8084
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz	470 MHz 803 MHz	470 MHz 803 MHz
	f_0 ≤ 0.65 dB ≤ 0.90 dB	f_0 ≤ 0.75 dB ≤ 1.05 dB	f_0 ≤ 0.9 dB ≤ 1.2 dB
	$f_0 \pm 3.805$ ≤ 2.25 dB ≤ 3.05 dB	$f_0 \pm 2.79$ ≤ 2.15 dB ≤ 3.10 dB	$f_0 \pm 2.69$ ≤ 2.25 dB ≤ 2.75 dB
	$f_0 \pm 3.885$ ≤ 2.95 dB ≤ 3.75 dB	$f_0 \pm 3.15$ ≥ 15 dB	$f_0 \pm 3.0$ ≥ 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	≤ 1.15
Group delay variation	$\Delta\tau \leq 660$ ns	$\Delta\tau \leq 500$ ns	$\Delta\tau \leq 420$ ns
Temperature stability	≤ 2 kHz / K		
Connectors	7-16 female		
Dimensions (L x W x H) mm	322 x 129 x 175		
Weight	≈ 7.6 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		