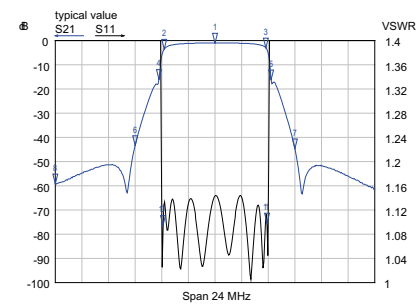
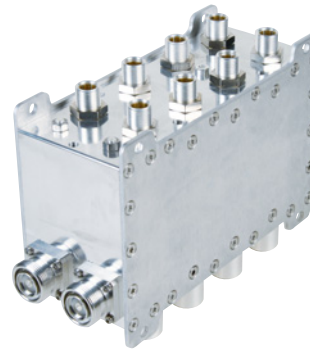
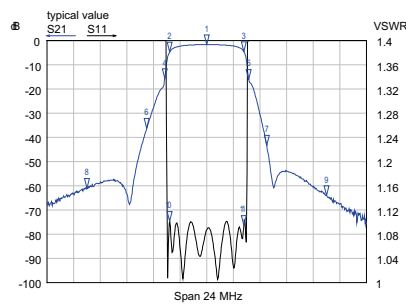


100 W - 120 W UHF DTV Bandpass Filter

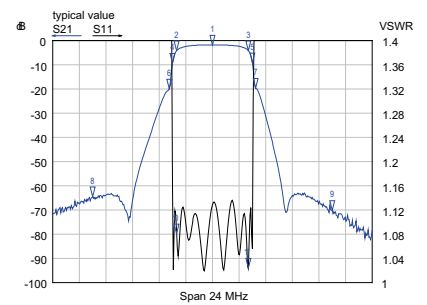
- Mask filter for ATV and DTV
- For 6, 7 and 8 MHz channel bandwidth
- With cross coupling (notch function)
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically
- Low profile design



Typical diagram AS8131



Typical diagram AS8133



Typical diagram AS8132

Bandpass Filters

Part Number	BN 616661C1025		
Frequency range	470 - 860 MHz		
Number/size of cavities	8/40		
Harmonics attenuation	≥ 50 dB for f ≤ 1400 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	≤ 120 W	≤ 100 W	≤ 100 W
Tuning instruction	AS8131	AS8133	AS8132
Insertion loss & mask filtering (alternative tuning on request)	470 MHz 860 MHz	470 MHz 803 MHz	470 MHz 803 MHz
	f_0 ≤ 1.1 dB ≤ 1.5 dB	f_0 ≤ 1.4 dB ≤ 1.75 dB	f_0 ≤ 1.5 dB ≤ 1.9 dB
	$f_0 \pm 3.805$ ≤ 3.6 dB ≤ 5.2 dB	$f_0 \pm 2.79$ ≤ 4.4 dB ≤ 5.00 dB	$f_0 \pm 2.69$ ≤ 3.8 dB ≤ 4.4 dB
	$f_0 \pm 3.885$ ≤ 4.4 dB ≤ 5.8 dB	$f_0 \pm 3.15$ ≥ 15 dB	$f_0 \pm 3.25$ ≥ 5 dB
	$f_0 \pm 4.2$ ≥ 15 dB	$f_0 \pm 4.50$ ≥ 30 dB	$f_0 \pm 3.50$ ≥ 18 dB
	$f_0 \pm 6.0$ ≥ 40 dB	$f_0 \pm 9.00$ ≥ 55 dB	$f_0 \pm 9.0$ ≥ 64 dB
	$f_0 \pm 12.0$ ≥ 55 dB	$f_0 \pm 15.0$ ≥ 65 dB	
VSWR (passband range)	≤ 1.15	≤ 1.11	≤ 1.15
Group delay variation	$\Delta\tau \leq 600$ ns	$\Delta\tau \leq 500$ ns	$\Delta\tau \leq 400$ ns
Temperature stability	≤ 2 kHz / K		
Connector	7-16 female		
Dimensions (L x W x H) mm	230 x 94 x 170		
Weight	≈ 3.5 kg		
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.		