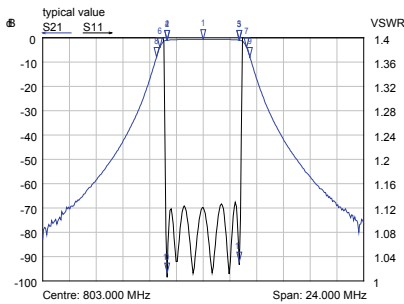


2.25 kW UHF DTV Bandpass Filter

- Mask filters for ATSC
- For 6, 7 and 8 MHz channel bandwidth
- Without cross coupling
- Tuneable within whole UHF range
- Temperature compensated
- DC block
- Installation horizontally or vertically



Typical diagram AS6081

Part Number	BN 616572																											
Frequency range	470 - 810 MHz																											
Number/size of cavities	6/150																											
Harmonics attenuation	≥ 50 dB for f ≤ 860 MHz																											
TV standard	ATSC 1.0 @ 6 MHz ($\dot{U}/U_{rms} = 11$ dB)																											
Average input power	≤ 2.25 kW																											
Tuning instruction	AS6081																											
Insertion loss & mask filtering (alternative tuning on request)	<table border="0"> <tr> <td></td> <td>470 MHz</td> <td>803 MHz</td> </tr> <tr> <td>f_0</td> <td>≤ 0.55 dB</td> <td>≤ 0.75 dB</td> </tr> <tr> <td>$f_0 \pm 2.69$</td> <td>≤ 0.80 dB</td> <td>≤ 1.00 dB</td> </tr> <tr> <td>$f_0 \pm 3.00$</td> <td>≤ 2.00 dB</td> <td>≤ 2.30 dB</td> </tr> <tr> <td>$f_0 \pm 3.25$</td> <td>≥ 3</td> <td>dB</td> </tr> <tr> <td>$f_0 \pm 3.50$</td> <td>≥ 8</td> <td>dB</td> </tr> <tr> <td>$f_0 \pm 4.00$</td> <td>≥ 15</td> <td>dB</td> </tr> <tr> <td>$f_0 \pm 6.00$</td> <td>≥ 40</td> <td>dB</td> </tr> <tr> <td>$f_0 \pm 9.00$</td> <td>≥ 65</td> <td>dB</td> </tr> </table>		470 MHz	803 MHz	f_0	≤ 0.55 dB	≤ 0.75 dB	$f_0 \pm 2.69$	≤ 0.80 dB	≤ 1.00 dB	$f_0 \pm 3.00$	≤ 2.00 dB	≤ 2.30 dB	$f_0 \pm 3.25$	≥ 3	dB	$f_0 \pm 3.50$	≥ 8	dB	$f_0 \pm 4.00$	≥ 15	dB	$f_0 \pm 6.00$	≥ 40	dB	$f_0 \pm 9.00$	≥ 65	dB
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VSWR (passband range)	≤ 1.15																											
Group delay variation	$\Delta\tau \leq 200$ ns																											
Temperature stability	≤ 2 kHz / K																											
Connectors	1 5/8" EIA male																											
Dimensions (L x W x H) mm	528 x 326 x 411																											
Weight	≈ 29 kg																											
Environmental conditions	For limitations see „Environmental Conditions for Broadcast Products“.																											