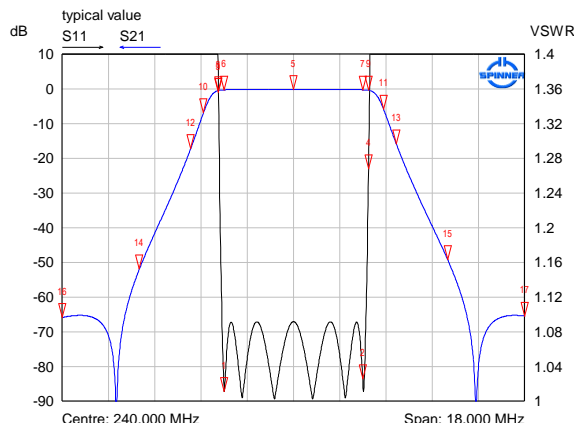
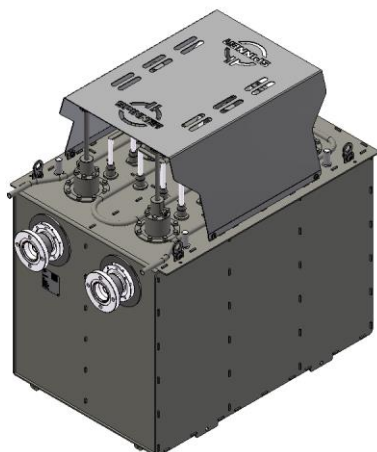


## 12 - 15 kW ATSC Band Pass Filter | BN 617140



### Radio frequency characteristics

Part Number	BN 617140C1033	BN 617140C2043
Cooling	Natural Cooling	Liquid Cooling
Connectors	1 5/8" EIA	3 1/8" EIA
Frequency range	174 – 216 MHz	
Number / size of cavities	6 / 200	
Harmonics attenuation, typ.	≥ 40 dB @ f<480MHz	
Broadcast standard, bandwidth, crest factor	ATSC 1.0/3.0 @ 6 MHz Û / U <sub>max</sub> = 11 dB for ATSC 1.0 Û / U <sub>max</sub> = 13 dB for ATSC 3.0	
Average input power The input power of the filters must be reduced if installed more than 2300 m above sea level.	12.0 kW	15.0 kW
Pass band insertion loss, f <sub>0</sub> ± 2.69	≤ 0.17 dB rms	
Pass band insertion loss, f <sub>0</sub> ± 2.92	≤ 0.18 dB rms	
Pass band insertion loss, f <sub>0</sub>	≤ 0.15 dB	
Pass band insertion loss, f <sub>0</sub> ± 2.69	≤ 0.25 dB	
Pass band insertion loss, f <sub>0</sub> ± 2.92	≤ 0.30 dB	
Mask filtering f <sub>0</sub> ± 3.5	≥ 3.00 dB	
Mask filtering f <sub>0</sub> ± 4.0	≥ 8.00 dB	
Mask filtering f <sub>0</sub> ± 6.0	≥ 30.00 dB	
Mask filtering f <sub>0</sub> ± 9.0	≥ 65.00 dB	
VSWR, max.	< 1.11	
Temperature stability, max. / typ.	≤ 1 kHz/K	
Group delay variation (passband)	Δτ ≤ 250 ns	
Tuning specification	AS6598	

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## 12 - 15 kW ATSC Band Pass Filter | BN 617140

### Mechanical characteristics

Case material	copper
Case surface finish	painted
Weight, approx.	85 kg
Marking	adhesive label
Dimensions (L x W x H) mm	approx. 600 x 450 x 685

### Cooling

Coolant	Mix: glycol and water BN154567
Coolant flow rate	≥ 6l / min
Cooling interface	Stainless steel tube 12 x 1mm unflanged ending straight (adaptors available on request)

### Environmental conditions

Ambient temperature range	-10 to +45°C
Relative humidity, max.	95% (non-condensing)
Limitations	see TD-00060

### Scope of delivery and accessories

Scope of delivery	
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### Applicable documents

Technical information	“Environmental Conditions for Broadcast Products”, Technical Document TD-00060, Spinner GmbH
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