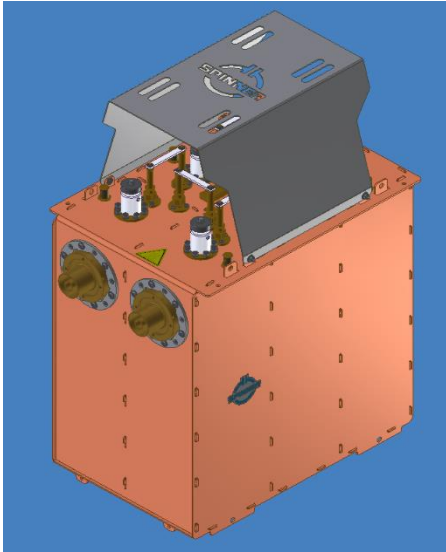
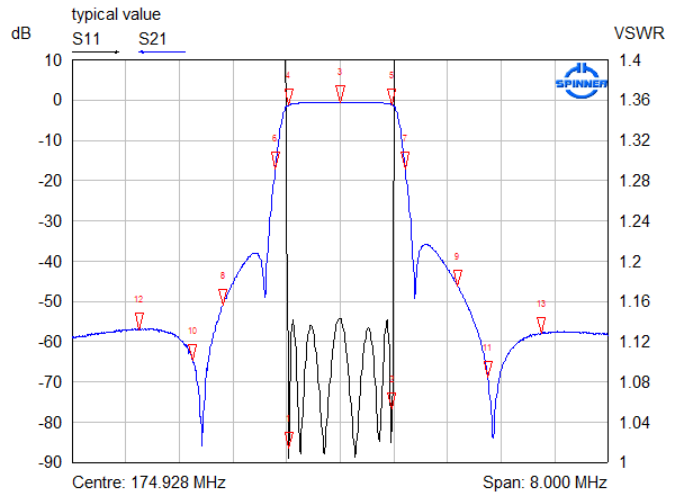


1.6 kW DAB Band Pass Filter || BN 617138



similar design



Radio frequency characteristics

Part Number	617138C1025	617138C1033
Interface 1, Interface 2	7-16 female, 7-16 female	1 5/8" EIA, 1 5/8" EIA
Number / size of cavities	6 / 150	
Mask filtering	DAB / T-DMB @ 1.54 MHz	
Passband	174 – 240 MHz	
Pass band insertion loss, f_0	$\leq 0,65$ dB	
Pass band insertion loss, $f_0 \pm 0.77$	$\leq 1,50$ dB $\leq 0,90$ dB (rms)	
Mask filtering $f_0 \pm 0.97$	≥ 15 dB	
Mask filtering $f_0 \pm 1.75$	≥ 45 dB	
Mask filtering $f_0 \pm 2.2$	≥ 58 dB	
Mask filtering $f_0 \pm 3.0$	≥ 52 dB	
VSWR, max.	$\leq 1,15$	
Average power capability @2300m	≤ 1.6 kW	
Harmonic Attenuation for $2 \times f_0$	≥ 50 dB	
Harmonic Attenuation for $3 \times f_0$	≥ 40 dB	
Crest Faktor	≤ 13 dB	
Temperatur stability	≤ 1 kHz/K	
Application	Case 1,2	
Group delay (passband)	≤ 1000 ns	
Tuning specification	AS6602	

1.6 kW DAB Band Pass Filter || BN 617138

Mechanical characteristics

Case material	copper
Case surface finish	painted
Weight, approx.	40 kg
Marking	adhesive label
Dimensions (L x W x H) mm approx.	466 x 326 x 680

Environmental conditions

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

Applicable documents

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