

FM Bandpass filter

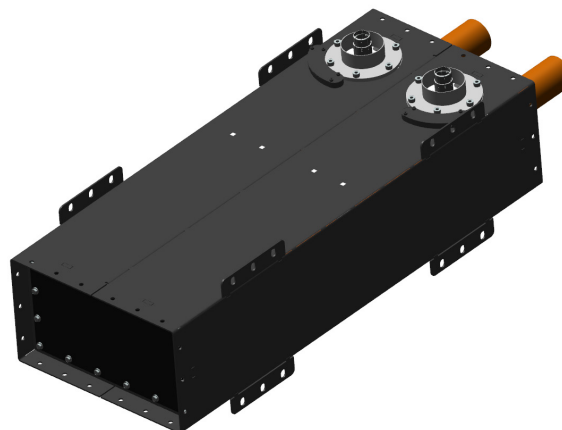
13 kW, 2 Pole

BAND II

10
year
GUARANTEE

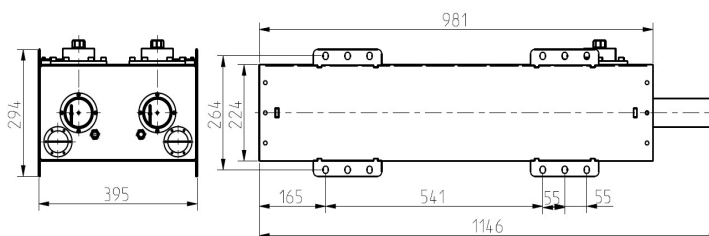
PRODUCT FEATURES

- Flexible design
- Retunable 87 - 108 MHz
- Low insertion loss
- Temperature compensated
- 10-year comprehensive warranty

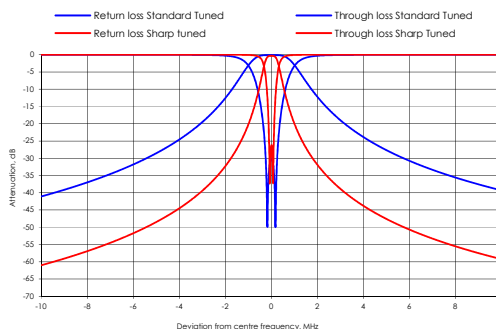
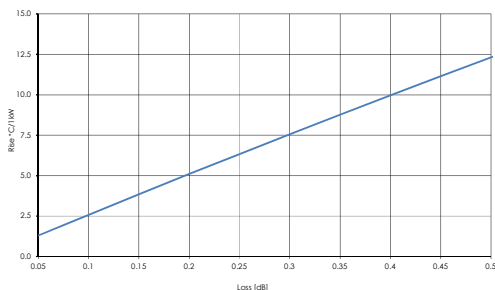


SPECIFICATIONS	200 mm Series	Option
FREQUENCY	87 - 108 MHz	-
STANDARD ORDER	2 poles	with temperature compensation
IMPEDANCE	50 Ohm	-
TEMPERATURE STABILITY	< 3 kHz / °C (without temp. comp.)	< 0,5 kHz / °C (with temp. comp.)
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	0 to 70 °C IP40	-
CONNECTIONS	3 1/8" unflange	4 1/2" unflange

DIMENSIONS AND WEIGHT	
DIMENSIONS	1146 x 294 x 395 mm (45.1 x 11.6 x 15.6 in)
WEIGHT	25 kg (55.1 lb)
STANDARD FRAME	Stand alone
COLOUR	Frosted black



Temperature rise Loss /Power



Article structure: ARTICLE: BPF22C20C-0P33

- BPF** = Filter Type
- 2** = Frequency band
- 2** = Number of poles
- C** = Cavity based
- 20** = Cavity size
- C** = Version
- C = without temp. comp.
- D = with temp. comp.
- 0** = Number of cross coupling
- P** = Coating
- 3** = Input connection
- 3= 3 1/8" unflange, 4= 4 1/2" unflange
- 3** = Output connection
- 3= 3 1/8" unflange, 4= 4 1/2" unflange

TYPICAL DATA*	Standard tuned	Sharp tuned
ARTICLE NO	BPF22C20x-0Pxx	BPF22C20x-0Pxx
RETURN LOSS (VSWR)	>30 dB (<1.07)	>25 dB (<1.10)
INSERTION LOSS		
Centre frequency	<0.15 dB	<0.40 dB
Effective passband @ ± 200 kHz	<0.15 dB	<0.40 dB
± 150 kHz	<0.15 dB	<0.60 dB
± 200 kHz	<0.15 dB	<1.00 dB
± 0.8 MHz	>1.5 dB	>16.0 dB
± 1.0 MHz	>3.0 dB	>19.5 dB
± 1.2 MHz	>4.5 dB	>23.0 dB
± 1.5 MHz	>7.5 dB	>26.5 dB
± 2.0 MHz	>12.0 dB	>31.0 dB
± 2.5 MHz	>15.0 dB	>35.0 dB
± 3.0 MHz	>18.0 dB	>38.0 dB
GROUP DELAY VARIATION		
± 150 kHz	<6 ns (5 ns)	<120 ns (115 ns)
(typical) ± 200 kHz	<10 ns (8 ns)	<150 ns (146 ns)
MAX INPUT POWER RATING**	13 kW rms	4 kW rms
TEMPERATURE RISE	4.0 °C / kW	12.5 °C / kW

* Data in table is typical data at 100 MHz. The filter can be tuned for other specification or bandwidth, please contact us for a designed specification.

** All average power values and technical data refer to an ambient temperature of + 20 °C with normal air flow. The product can have a maximum surface temperature of + 70 °C. Maximum power capacity may be lower depending on channel allocation. Data are subjected to change without prior notice.