FM Bandpass filter

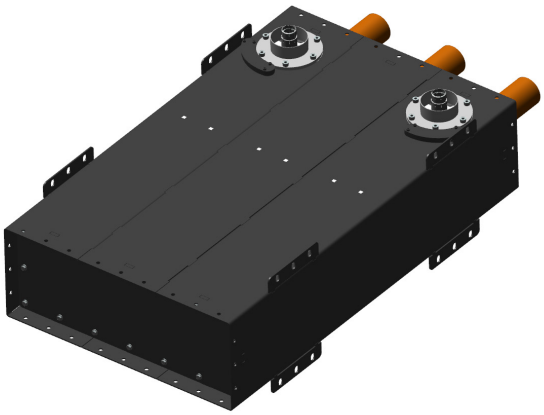
10 kW, 3 Pole

BAND II

10 year GUARANTEE

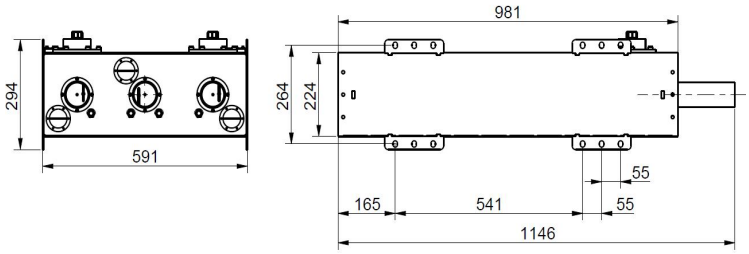
PRODUCT FEATURES

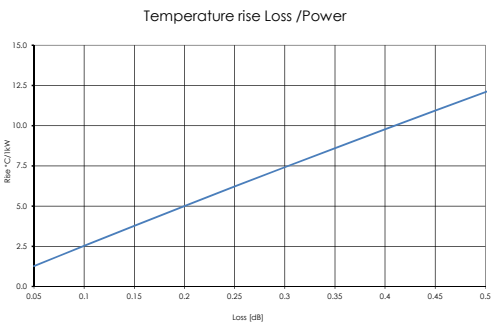
- Flexible design
- Retunable 87 - 108 MHz
- Low insertion loss
- Temperature compensated
- 10-year comprehensive warranty

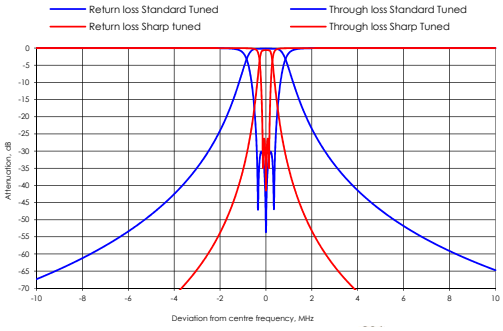


SPECIFICATIONS	200 mm Series	Option
FREQUENCY	87 - 108 MHz	-
STANDARD ORDER	3 poles	with temperature compensation
IMPEDANCE	50 Ohm	-
TEMPERATURE STABILITY	< 3 kHz / °C (without temp. comp.)	< 0,5 kHz / °C (with temp. comp.)
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	0 to 70 °C IP40	-
CONNECTIONS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

DIMENSIONS AND WEIGHT	
DIMENSIONS L x W x H	1146 x 294 x 591 mm (45.1 x 11.6 x 23.3 in)
WEIGHT	40 kg (88.2 lb)
STANDARD FRAME	Stand alone
COLOUR	Frosted black







Article structure:
ARTICLE: BPF23C20B-0P33

BPF = Filter Type
2 = Frequency band
3 = Number of poles
C = Cavity based
20 = Cavity size
C = Version
B = without temp. comp.
C = 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		BPF23C20x-0Pxx	BPF23C20x-0Pxx
RETURN LOSS (VSWR)		>30 dB (<1.07)	>25 dB (<1.10)
INSERTION LOSS			
Centre frequency		<0.20 dB	<0.60 dB
Effective passband @ ± 200 kHz		<0.20 dB	<0.60 dB
	± 150 kHz	<0.20 dB	<0.75 dB
	± 200 kHz	<0.20 dB	<1.15 dB
	± 0.8 MHz	>2.0 dB	>30.0 dB
	± 1.0 MHz	>6.0 dB	>34.0 dB
	± 1.2 MHz	>10.0 dB	>39.0 dB
	± 1.5 MHz	>15.0 dB	>44.0 dB
	± 2.0 MHz	>22.0 dB	>50.0 dB
	± 2.5 MHz	>28.0 dB	>55.0 dB
	± 3.0 MHz	>32.0 dB	>60.0 dB
GROUP DELAY VARIATION (typical)	± 150 kHz	<6 ns (5 ns)	<230 ns (225 ns)
	± 200 kHz	<10 ns (8 ns)	<435 ns (430 ns)
MAX INPUT POWER RATING**		10.0 kW rms	3.5 kW rms
TEMPERATURE RISE		5.0 °C / kW	14,5 °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.