FM Bandpass filter

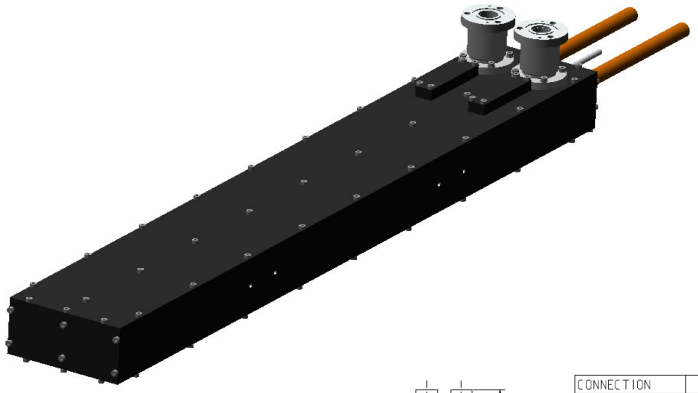
1000 W, 2 Pole

BAND II

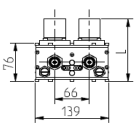
10 year GUARANTEE

PRODUCT FEATURES

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

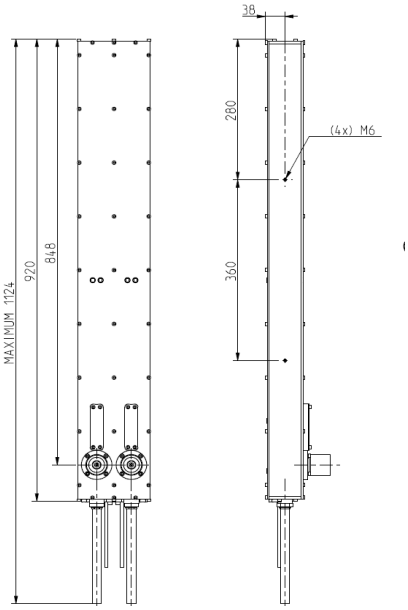


SPECIFICATIONS	60 mm Series	Option
FREQUENCY	87 - 108 MHz	-
STANDARD ORDER	2 poles	with temperature compensation
IMPEDANCE	50 Ohm	-
TEMPERATURE STABILITY	< 3 kHz / °C (without temp. comp.)	< 0,5 kHz / °C (with temp. comp.)
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	0 to 70 °C IP40	-
CONNECTIONS	1 5/8" unflange	N female/ male 7/16 female/ male 7/8" unflange/ flange

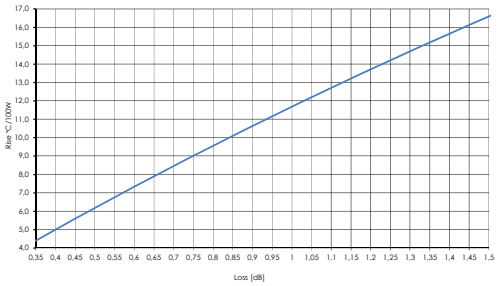


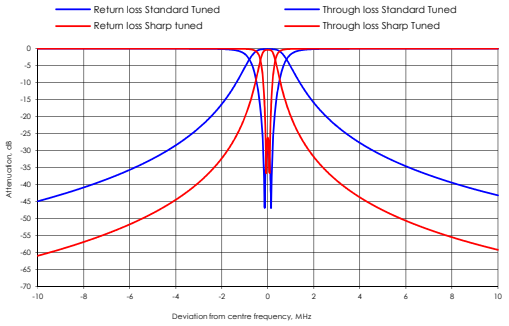
CONNECTION	L
1 5/8"	124
7/8" FLANGE	133
7/8" UNFLANGE	122
7/16 FEMALE	112

DIMENSIONS AND WEIGHT	
DIMENSIONS L x W x H	1124 x 140 x 112 mm (44.3 x 5.5 x 4.4 in)
WEIGHT	7.5 kg (16.5 lb)
STANDARD FRAME	Stand alone
COLOUR	Frosted black



Temperature rise Loss /Power





TYPICAL DATA*		Standard tuned	Sharp tuned
ARTICLE NO		BPF22C06x-0Pxx	BPF22C06x-0Pxx
RETURN LOSS (VSWR)		>30 dB (<1.07)	>25 dB (<1.10)
INSERTION LOSS			
Centre frequency		<0.40 dB	<1.20 dB
Effective passband @ ± 200 kHz		<0.40 dB	<1.20 dB
	± 150 kHz	<0.40 dB	<1.50 dB
	± 200 kHz	<0.40 dB	<2.00 dB
	± 0.8 MHz	>1.5 dB	>15.0 dB
	± 1.0 MHz	>3.0 dB	>19.0 dB
	± 1.2 MHz	>4.5 dB	>22.0 dB
	± 1.5 MHz	>7.5 dB	>25.0 dB
	± 2.0 MHz	>11.5 dB	>30.0 dB
	± 2.5 MHz	>14.0 dB	>33.0 dB
	± 3.0 MHz	>16.0 dB	>35.0 dB
GROUP DELAY VARIATION (typical)	± 150 kHz	<10 ns (5 ns)	<90 ns (85 ns)
	± 200 kHz	<15 ns (10 ns)	<105 ns (100 ns)
MAX INPUT POWER RATING**		1000 W rms	350 W rms
TEMPERATURE RISE		5 °C / 100 W	14 °C / 100 W

Article structure:
ARTICLE: BPF22C06A-0P11

BPF = Filter Type
2 = Frequency band
2 = Number of poles
C = Cavity based
06 = Cavity size
A = Version
A = without temp. comp., B = with temp. comp.

0 = Number of cross coupling
P = Coating
1 = Input connection
C= N female, D= N male
A= 7/16 female, B= 7/16 male
7= 7/8" unflange, J= 7/8" flange
1= 1 5/8" unflange
1 = Output connection
C= N female, D= N male
A= 7/16 female, B= 7/16 male
7= 7/8" unflange, J= 7/8" flange
1= 1 5/8" unflange

* 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.