

VHF Bandpass filter

1.1 kW rms, 8 Pole

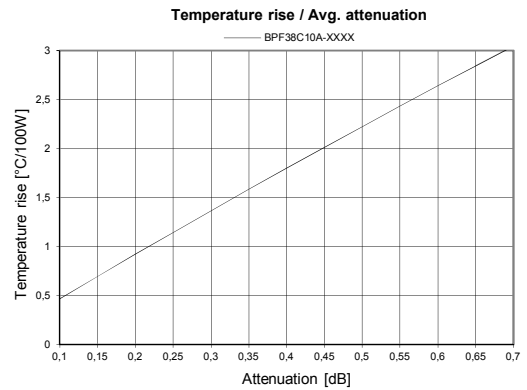
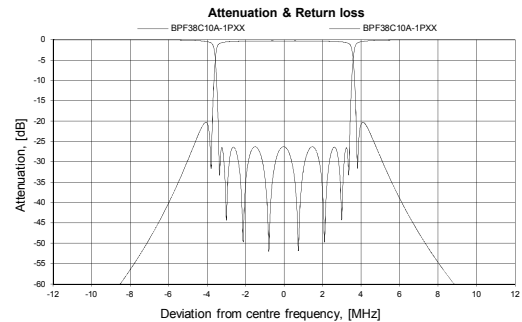
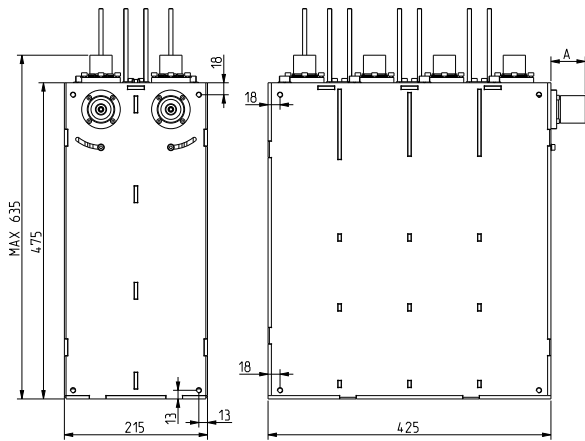


PRODUCT FEATURES

- Compact design
- Retunable
- Low insertion loss
- Temperature compensated
- 10-year comprehensive warranty

SPECIFICATIONS	100 mm Series	Option
FREQUENCY	174 - 240 MHz	-
BANDWIDTH	7 - 8 MHz	6 MHz at request
STANDARD ORDER	8 poles, Single cross coupling	Without cross coupling
DVB	Critical Mask	7 & 8 MHz DVB-T
ATSC 6MHz	-	-
ISDB 6MHz	-	-
IMPEDANCE	50 Ohm	-
RETURN LOSS (VSWR)	>26 dB (<1.1)	-
TEMPERATURE STABILITY	< 2 kHz / °C	-
MAX PRODUCT TEMPERATURE	70 °C	-
ENVIROMENTAL CONDITION	-5 to 70 °C IP40	-
CONNECTIONS	1 5/8" unflange (female)	N-m/f, 7/16-m/f, 7/8" flange / unflange

DIMENSIONS AND WEIGHT	
DIMENSIONS	477 x 215 x max 635 mm
L x W x H	(18.8 x 8.5 x max 25 in)
WEIGHT	25 kg (55 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



TYPICAL DATA*	8 MHz DVB-T	7 MHz DVB-T
ARTICLE NO	BPF38C10A-1Pxx	BPF38C10A-1Pxx
INSERTION LOSS		
Avg. signal bandwidth	<0.35 dB	<0.38 dB
Centre frequency	<0.30 dB	<0.35 dB
Signal band edge	± 3.8 MHz <0.95 dB ± 4.2 MHz >14.00 dB ± 6.0 MHz >26.0 dB ± 12.0 MHz >51.0 dB	± 3.33 MHz <0.95 dB ± 3.70 MHz >14.00 dB ± 5.25 MHz >26.0 dB ± 10.5 MHz >51.0 dB
GROUP DELAY	<480 ns	<440 ns
MAX INPUT POWER RATING**	1.1 kW / 13 dB (crest factor)	1.1 kW / 13 dB (crest factor)
TEMPERATURE RISE	<1.6 °C / 100 W	<1.7 °C / 100 W
MASK COMPLIANT	Critical Mask	Critical Mask

* Data in table is typical data at 205 MHz. To fulfil mask transmitter shoulder level must be >36 dB.
The filter can be tuned for other specification or bandwidth, please contact us for a designed specification.
** Max input power at <50 °C temprice at max frequency

ARTICLE: BPF38C10A-1P11

- BPF** = Filter type
- 3** = Frequency band
- 8** = Number of poles
- C** = Cavity based
- 10** = Cavity size
- A** = Version
- 1** = Number of cross coupling
0 = without, 1 = single
- P** = Coating and cooling
P = blackpainted
- 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
I = 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
I = 1 5/8" unflange