

VHF Bandpass filter

3.5 kW rms, 8 Pole

BAND III

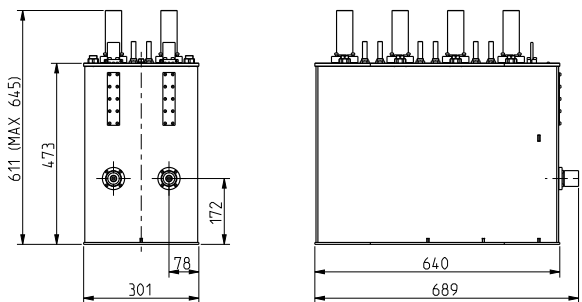
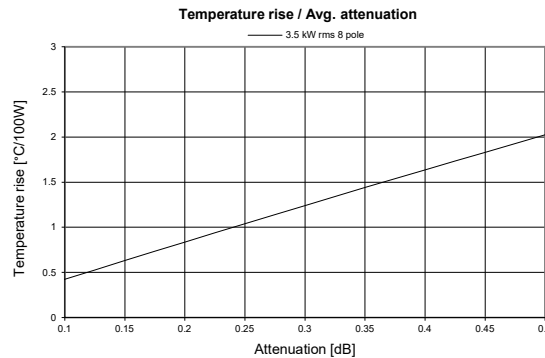
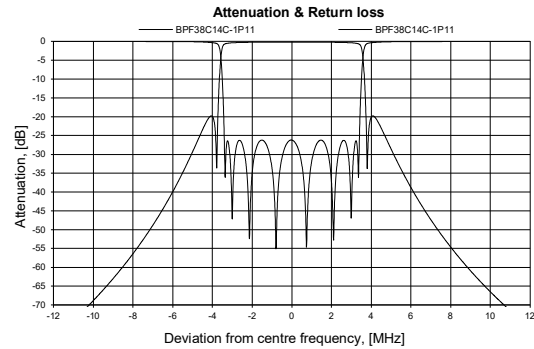
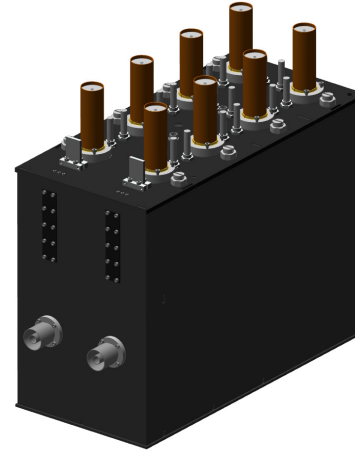
10 year GUARANTEE

PRODUCT FEATURES

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

SPECIFICATIONS	140 mm Series	Option
FREQUENCY	174 - 240 MHz	-
BANDWIDTH	7 - 8 MHz	-
STANDARD ORDER	8 poles, Single cross coupling	Without cross coupling
DVB	Critical Mask	Non Critical Mask
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)	7/16-m/f, 7/8" unflange

DIMENSIONS AND WEIGHT	
DIMENSIONS	301 x 689 x max 645 mm
L x W x H	(11.9 x 27.1 x max 25.4 in)
WEIGHT	44 kg (97 lb)
STANDARD FRAME	Stand alone
OPTIONAL FRAME	19" subrack
COLOUR	Frosted black



TYPICAL DATA*	8 MHz DVB-T	7 MHz DVB-T
ARTICLE NO	BPF38C14C-1Pxx	BPF38C14C-1Pxx
INSERTION LOSS		
Avg. signal bandwidth	<0.25 dB	<0.30 dB
Centre frequency	<0.21 dB	<0.23 dB
Signal band edge	± 3.884 MHz <0.80 dB ± 4.2 MHz >14.0 dB ± 6.0 MHz >26.0 dB ± 12.0 MHz >51.0 dB	± 3.399 MHz <0.85 dB ± 3.70 MHz >14.0 dB ± 5.25 MHz >26.0 dB ± 10.5 MHz >51.0 dB
GROUP DELAY	<560 ns	<600 ns
MAX INPUT POWER RATING**	3.5 kW / 13 dB (crest factor)	3.5 kW / 13 dB (crest factor)
TEMPERATURE RISE	<1.2 °C / 100 W	<1.4 °C / 100 W
MASK COMPLIANT	Critical Mask	Critical Mask

ARTICLE: BPF38C14C-1P11

- BPF** = Filter type
3 = Frequency band
8 = Number of poles
C = Cavity based
14 = Cavity size
C = Version
1 = Number of cross coupling
 0 = without, 1 = single
P = Coating and cooling
 P = blackpainted
1 = Input connection
 A = 7/16 female, B = 7/16 male
 7 = 7/8" unflange, 1 = 1 5/8" unflange
1 = Output connection
 A = 7/16 female, B = 7/16 male
 7 = 7/8" unflange, 1 = 1 5/8" unflange

* Data in table is typical data at 205 MHz. To fulfil mask transmitter shoulder level must be >36 dB @ 4.2 MHz. 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