

FM Bandpass filter

59 kW, 3 Pole



PRODUCT FEATURES

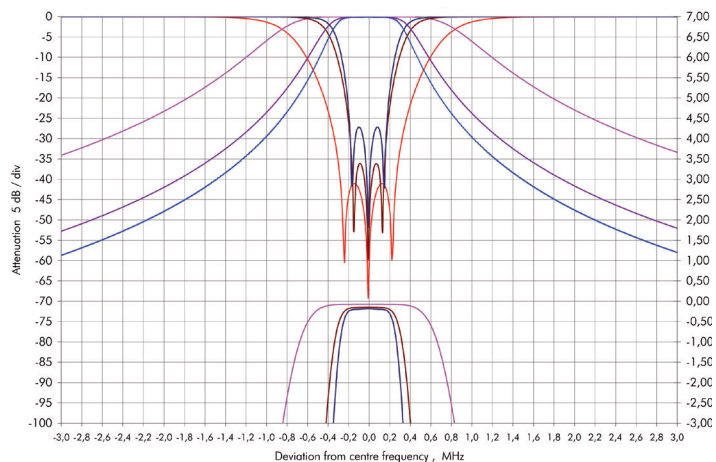
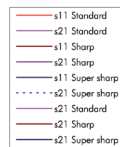
- High power filter
- Temperature stabilized
- Retunable
- 10-year comprehensive warranty

PRODUCT PROFILE

High power temperature stabilized FM filters with 3 Pole, capable to handling power up to 59 kW. Used as a reflective band pass filter or as part of a channel combiner, they provide channel isolation for channels as close as 800 kHz. FM band tunable and simple tuning along with a tuner design that does not use spring fingers ensures a solid reliable product for years of broadcast service.

All average power values and technical data refer to an ambient temperature of + 20-25 °C with normal air flow. The product will have a maximum surface temperature of + 70 °C. Maximum power capacity may be lower depending on channel allocation.

Data in tables is typical. The filter can be tuned for other specifications or bandwidths, please contact us for a specification designed for your requirements.



ARTICLE	BPF23C53B-0044	BPF23C53B-0046	BPF23C53A-0044	BPF23C53A-0046
FREQUENCY	87-108 MHz	87-108 MH	87-108 MHz	87-108 MHz
MAX INPUT POWER	59 kW	59 kW	50 kW	50 kW
IMPEDANCE	50 Ohm	50 Ohm	50 Ohm	50 Ohm
VSWR	<1.05 (>32 dB)	<1.05 (>32 dB)	<1.05 (>32 dB)	<1.05 (>32 dB)
INSERTION LOSS				
Centre frequency	0,1 dB	0,1 dB	0,1 dB	0,1 dB
BANDWIDTH				
± 200 kHz	0,1 dB	0,1 dB	0,1 dB	0,1 dB
STANDARD CONNECTION	4 1/2" unflange	1 x 4 1/2" unflange and 1 x 6 1/8" unflange	4 1/2" unflange	1 x 4 1/2" unflange and 1 x 6 1/8" unflange
DIMENSIONS AND WEIGHT				
DIMENSIONS	919 x 622 x 1632 mm	919 x 622 x 1632 mm	919 x 622 x 1632 mm	919 x 622 x 1632 mm
L x W x H	(36.2 x 24.5 x 64.3 in)	(36.2 x 24.5 x 64.3 in)	(36.2 x 24.5 x 64.3 in)	(36.2 x 24.5 x 64.3 in)
WEIGHT	250 kg (551 lb)	250 kg (551 lb)	250 kg (551 lb)	250 kg (551 lb)
			Aluminium resonators	Aluminium resonators