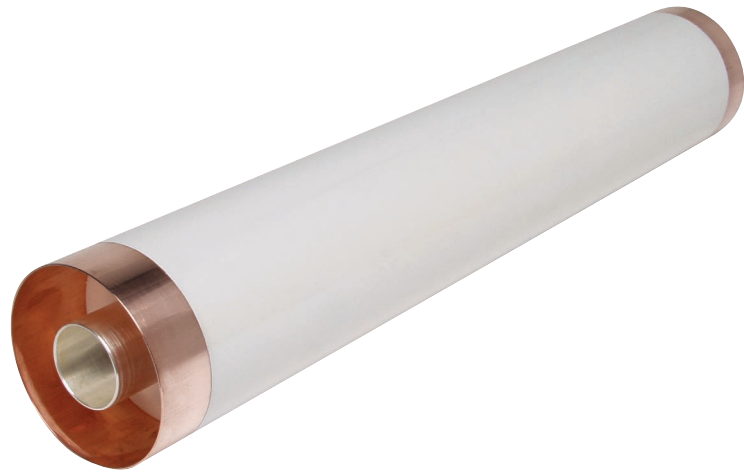


Low Pass filter

UHF Harmonic Rejection Filter



PRODUCT FEATURES

- Low insertion loss
- Low VSWR
- Customised solutions
- 10-year comprehensive warranty

PRODUCT PROFILE

Exir Broadcasting manufactures low pass filters for all needs. High pass filters are also available on request.

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 + 60 °C. Maximum power capacity may be lower depending on channel allocation.

Data in table is typical.

ARTICLE	LPF4-1116-AA00	LPF4-1116-AB00	LPF4-1139-AA01	LPF4-1139-AB00
FREQUENCY RANGE	470 - 598 MHz	558 - 710 MHz	470 - 598 MHz	574 - 710 MHz
MAX INPUT POWER	1 kW rms	1 kW rms	5 kW rms	5 kW rms
IMPEDANCE	50 Ohm	50 Ohm	50 Ohm	50 Ohm
VSWR	<1.06	<1.06	<1.06	<1.06
INSERTION LOSS	< 0.1 dB	< 0.1 dB	< 0.1 dB	< 0.1 dB
HARMONIC RESPONSE	2nd -50 dB 3rd -50 dB	2nd -50 dB 3rd -50 dB	2nd -50 dB 3rd -50 dB	2nd -50 dB 3rd -50 dB
INTERFACE, PORTS	7/16	7/16	1 5/8" unflange	1 5/8" unflange

ARTICLE	LPF4-1139-AC01	LPF4-1177-AA00	LPF4-1177-AB00	LPF4-1177-AC00
FREQUENCY RANGE	694 - 854 MHz	470 - 582 MHz	558 - 710 MHz	702 - 854 MHz
MAX INPUT POWER	5 kW rms	10 kW rms	10 kW rms	10 kW rms
IMPEDANCE	50 Ohm	50 Ohm	50 Ohm	50 Ohm
VSWR	<1.06	<1.06	<1.06	<1.06
INSERTION LOSS	0.15 dB	0.05 dB	0.05 dB	0.05 dB
HARMONIC RESPONSE	2nd -50 dB 3rd -50 dB	2nd -40 dB 3rd -40 dB	2nd -40 dB 3rd -50 dB	2nd -40 dB 3rd -50 dB
INTERFACE, PORTS	1 5/8" unflange	3 1/8" unflange	3 1/8" unflange	3 1/8" unflange

ARTICLE	LPF4-0998-AD00	LPF4-0998-AC00	LPF4-0912-AE00
FREQUENCY RANGE	774 - 854 MHz	702 - 822 MHz	750 - 854 MHz
MAX INPUT POWER	20 kW rms	20 kW rms	30 kW rms
IMPEDANCE	50 Ohm	50 Ohm	50 Ohm
VSWR	<1.06	<1.06	<1.06
INSERTION LOSS	0.1 dB	0.05 dB	0.05 dB
HARMONIC RESPONSE	2nd -50 dB 3rd -50 dB	2nd -35 dB 3rd -50 dB	2nd -50 dB 3rd -50 dB
INTERFACE, PORTS	RL98 unflange	RL98 unflange	NAX 120