

BPF0017F3V10-1

3.5GHZ INTERFERENCE MITIGATION FILTER

Ideal for co-located 3.5GHz systems. BPF0017 is a 3.5GHz interference mitigation filter. Capable of being used in an outdoor environment

FEATURES

- Designed for 3.5GHz interference mitigation
- Passband frequency can be retuned easily as customer site needs
- High Interference Rejection
- Excellent insertion loss
- Twin filter structure



TECHNICAL SPECIFICATIONS

BAND NAME	F1	F2	F3
Passband	3575-3600MHz	3600-3630MHz	3640-3670MHz
Insertion loss	1.0dB typical 2.5dB maximum	0.8dB typical 2.2dB maximum	0.9dB typical 2.3dB maximum
Return loss	25dB typical 20dB minimum		
Maximum input power	5W (average) / 50W (PEP)		
Rejection	60dB minimum @ 3500 - 3567MHz	60dB minimum @ 3500 - 3567MHz	60dB minimum @ 3500 - 3630MHz

ELECTRICAL

Impedance	50ohms
Intermodulation products	-140dBc maximum (with 2x20W)

ENVIRONMENTAL

For further details of environmental compliance, please contact Kaelus.

Temperature range	-20°C to +60°C -4°F to +140°F
Ingress protection	IP67, Outdoor unit
Altitude	2600 meters
MTBF	>1,000,000 hours

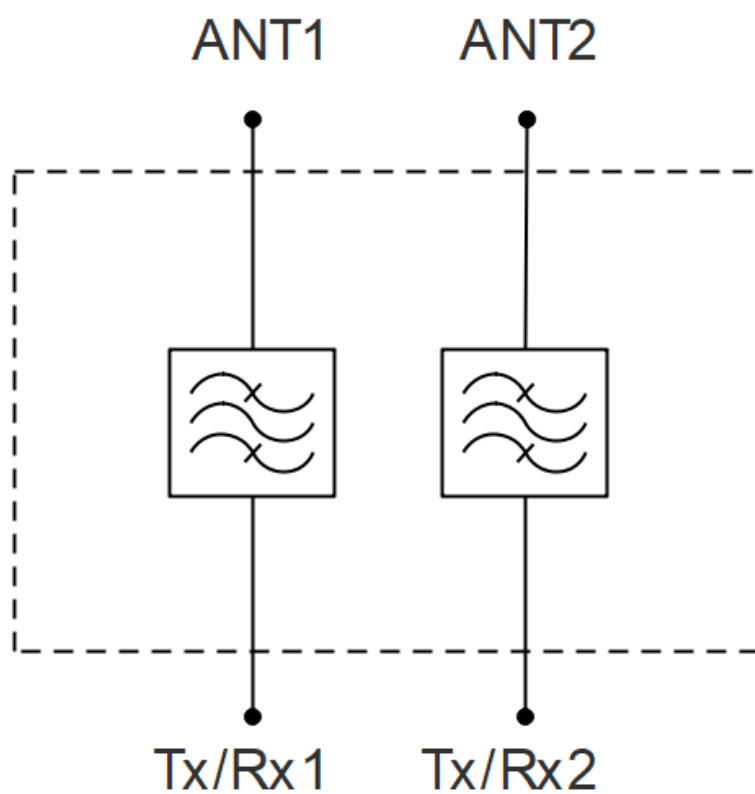
MECHANICAL

Dimensions H x D x W (single twin unit)	181 x 167 x 40mm 7.1 x 6.6 x 1.6in maximum
Weight	2.5kg 5.5lbs
Finish	Painted, light grey (RAL7035)
Connectors	N (F) x 4 long neck
Mounting	Pole/wall bracket supplied with two metal clamps for 45-178 mm diameter poles

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
BPF0017F1V10-1	3.5GHz Interference Mitigation Filter, 3575-3600MHz
BPF0017F2V10-1	3.5GHz Interference Mitigation Filter, 3600-3630MHz
BPF0017F3V10-1	3.5GHz Interference Mitigation Filter, 3640-3670MHz

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM

