

Coaxial Bandpass Filter

50Ω 30 to 40 MHz

Features

- Excellent rejection
- Good VSWR, 1.2:1 typical @ passband
- Connectorized package

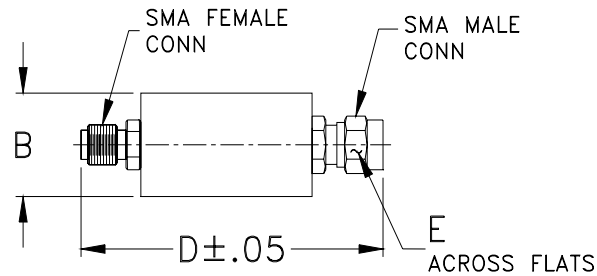
Applications

- FM Radio rejection
- Receivers / Transmitters
- Professional mobile radio / Public Access mobile radio (PMR/ PAMR)

Coaxial Connections

PORT - 1	SMA-Male
PORT - 2	SMA-Female

Outline Drawing



Outline Dimensions (inch)

B	D	E	Wt.
.70	1.98	.312	grams
17.78	50.29	7.92	42.0

Note: Please refer to case style drawing for details

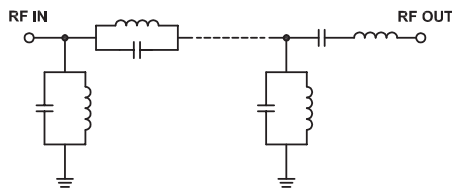
Electrical Specifications at 25°C

Parameter	F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	35	-	MHz
	Insertion Loss	F1-F2	-	0.6	1.0	dB
	VSWR	F1-F2	-	1.2	1.5	:1
Stop Band, Lower	Insertion Loss	DC-F3	-	-	-	dB
	VSWR	F3-F4	30	40	-	dB
	VSWR	DC-F4	20	27	-	dB
Stop Band, Upper	Insertion Loss	F5-F6	-	-	-	dB
	VSWR	F6-F7	30	36	-	dB
	VSWR	F5-F7	20	20	-	:1

Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (ns)
1.00	87.83	220.19	30.0	58.99
10.00	47.53	326.39	30.5	55.11
19.00	48.78	106.38	31.0	51.95
20.75	31.40	78.66	31.5	49.39
21.00	29.77	74.84	32.0	47.27
22.50	21.17	50.76	32.5	45.55
26.50	3.43	4.07	33.0	44.14
30.00	0.64	1.11	33.5	42.97
35.00	0.59	1.21	34.0	42.02
40.00	0.66	1.05	34.5	41.24
45.50	3.29	3.59	35.0	40.62
53.75	20.35	45.87	35.5	40.17
58.75	30.01	78.77	36.0	39.82
60.00	32.38	85.47	36.5	39.59
65.00	42.66	109.66	37.0	39.49
100.00	50.88	163.76	37.5	39.50
500.00	55.12	66.32	38.0	39.63
600.00	48.17	34.38	38.5	39.90
1000.00	49.36	62.32	39.0	40.31
1350.00	41.26	45.16	40.0	41.64

Functional Schematic



Typical Frequency Response

