

Coaxial Bandpass Filter

50Ω 1300 to 1400 MHz

Features

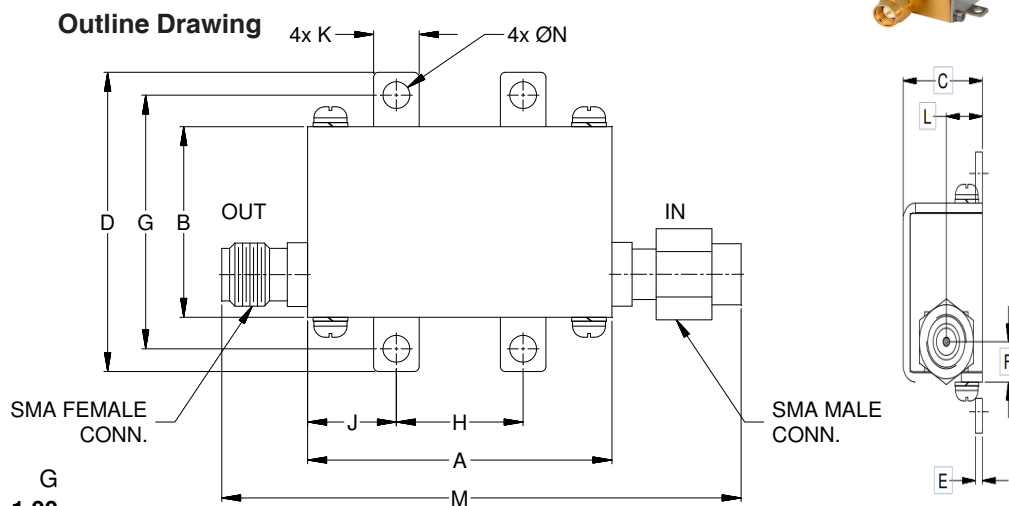
- Low insertion loss
- High selectivity
- Connectorized package

Applications

- Traffic collision avoidance system (TCAS)
- Aeronautical radio navigation
- Fixed satellite
- Radio astronomy
- Radar and navigation system

Coaxial Connections

INPUT	SMA-MALE
OUTPUT	SMA-FEMALE



Outline Dimensions (inch)

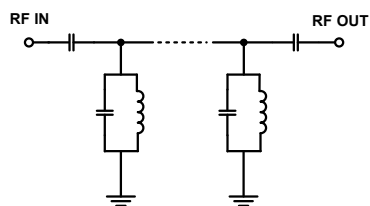
A	B	C	D	E	F	G
1.20	.75	.46	1.18	.04	.17	1.00
30.48	19.05	11.68	29.97	1.02	4.32	25.40
H	J	K	L	M	N	Wt.
.50	.35	.18	.21	2.05	.106	grams
12.70	8.89	4.57	5.28	52.07	2.69	35.0

Note: Please refer to case style drawing for details

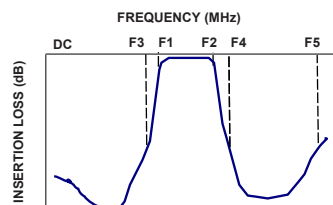
Electrical Specifications at 25°C

Parameter	F#	Frequency (MHz)	Min.	Typ.	Max.	Unit
Pass Band	Center Frequency	-	-	1350	-	MHz
	Insertion Loss	F1-F2	-	1.1	2	dB
	VSWR	F1-F2	-	1.3	-	:1
Stop Band, Lower	Insertion Loss	DC-F3	20	40	-	dB
	VSWR	DC-F3	-	20	-	:1
Stop Band, Upper	Insertion Loss	F4-F5	20	30	-	dB
	VSWR	F4-F5	-	20	-	:1

Functional Schematic



Typical Frequency Response



Typical Performance Data at 25°C

Frequency (MHz)	Insertion Loss (dB)	VSWR (:1)	Frequency (MHz)	Group Delay (nsec)
1	98.98	3832.97	1300	5.42
500	68.95	260.23	1305	5.24
1000	55.39	80.29	1310	5.09
1125	39.21	55.42	1315	4.96
1159	30.02	45.63	1320	4.85
1195	20.14	31.51	1325	4.76
1225	11.24	14.88	1330	4.68
1255	3.59	3.53	1335	4.61
1300	1.09	1.07	1340	4.55
1350	0.98	1.13	1345	4.50
1400	1.00	1.16	1350	4.46
1455	3.03	3.44	1355	4.43
1500	9.55	14.94	1360	4.40
1572	20.22	45.46	1365	4.39
1665	30.58	62.76	1370	4.38
1700	34.04	65.48	1375	4.38
1800	44.94	69.60	1380	4.39
2000	46.52	75.03	1385	4.41
2500	37.71	78.33	1390	4.45
2800	37.33	70.42	1400	4.54

