

Low Pass Filter

LFCN-EDU2362_5

Surface Mount

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

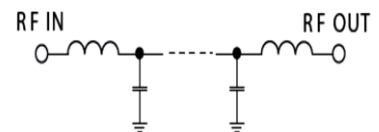
FV1206

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C

Parameter	Min.	Typ.	Max.	Units
Passband (Loss < 1.6 dB)	DC	-	2100	MHz
Insertion loss 3dB		2500	-	MHz
Stop Band (30 dB Typ.)	3200	-	6200	MHz
Passband VSWR	-	1.2	-	(:1)
Stopband VSWR	-	17	-	(:1)

Functional Schematic

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	7.9W



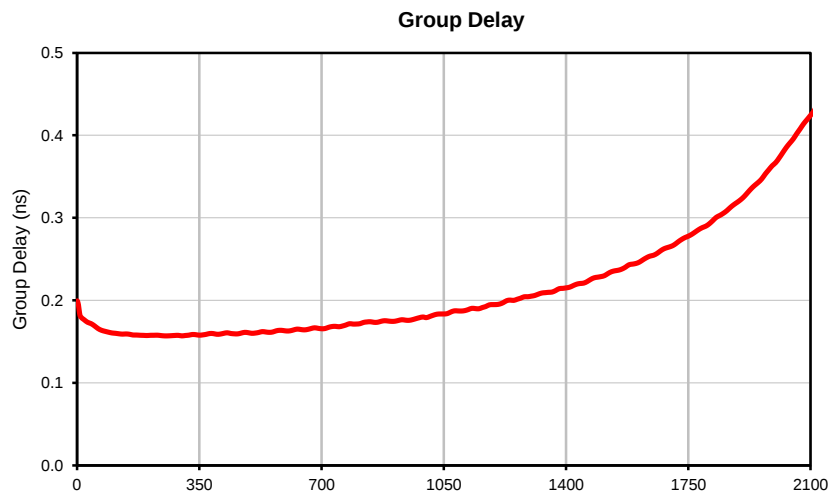
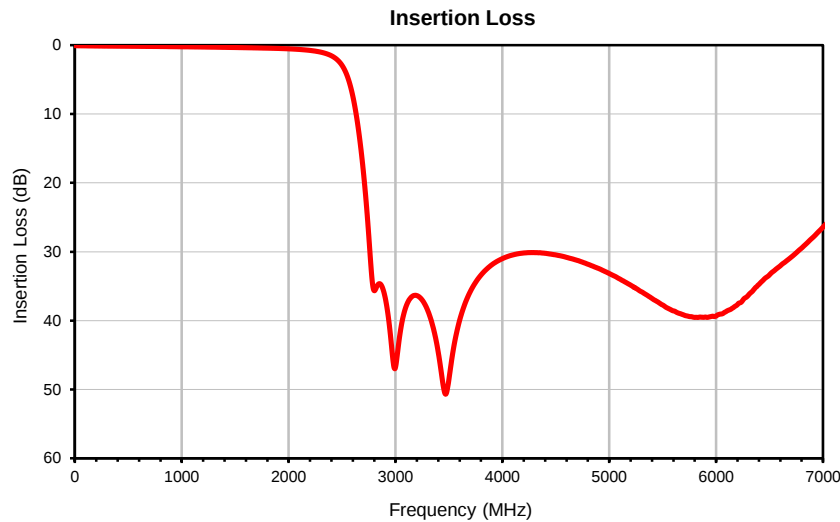
PIN CONNECTIONS

Input	1
Output	3
Ground	2,4

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	FREQUENCY (MHz)	GROUP DELAY (nsec)
1.0	0.07	51.22	1	0.20
10.0	0.07	49.86	10	0.18
50.0	0.09	43.90	100	0.16
100.0	0.09	42.85	200	0.16
250.0	0.12	39.50	250	0.16
500.0	0.15	34.86	300	0.16
1000.0	0.23	24.76	400	0.16
2000.0	0.53	25.49	500	0.16
2100.0	0.62	28.01	600	0.16
2300.0	1.01	20.08	700	0.17
2400.0	1.53	14.71	800	0.17
2500.0	2.94	9.59	900	0.17
2600.0	7.39	5.22	1000	0.18
2720.0	21.84	2.79	1100	0.19
2760.0	29.96	2.42	1200	0.19
3000.0	46.74	1.28	1300	0.21
3200.0	36.37	0.93	1400	0.22
3300.0	38.48	0.83	1500	0.23
3750.0	34.43	0.55	1600	0.24
4000.0	30.99	0.45	1700	0.27
4250.0	30.12	0.37	1800	0.29
5500.0	37.73	0.21	1900	0.32
6000.0	39.33	0.28	2000	0.37
6200.0	37.66	0.25	2100	0.42

Typical Performance Curves



Outline Dimensions



PCB Land Pattern



Suggested Layout,
Tolerance to be within $\pm .002$

CASE #	A	B	C	D	E	F	G	H	J	K	L	M	N	P	WT. GRAM
FV1206	.126 (3.20)	.063 (1.60)	.037 (0.94)	.020 (0.51)	.032 (0.81)	.009 (0.23)	.169 (4.29)	.087 (2.21)	.024 (0.61)	.122 (3.10)	.024 (0.61)	.087 (2.21)	.012 (0.30)	.071 (1.80)	.020

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .01$; 3 Pl. $\pm .005$

Notes:

- Open style, ceramic base.
- Termination finish: **as shown below or indicated on Data Sheet.**
 For RoHS Case Styles: Tin plate over Nickel plate. All models, (+) suffix.
 For RoHS-5 Case Styles: Tin-Lead plate. All models, no (+) suffix.



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

RF/IF MICROWAVE COMPONENTS

Tape & Reel Packaging TR-F71



ILLUSTRATION 1

Tape Width, mm	Device Cavity Pitch, mm	Reel Size, inches	Devices per Reel	
8	4	7	Small quantity standards (see note)	20
				50
				100
				200
				500
				1000
			Standard	3000

Note: Please Consult individual model data sheet to determine device per reel availability.

Mini-Circuits carrier tape materials provide protection from ESD (Electro-Static Discharge) during handling and transportation. Tapes are static dissipative and comply with industry standards EIA-481/EIA-541.

Go to: www.minicircuits.com/pages/pdfs/tape.pdf



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