

Dual Low Pass Filter Surface Mount

B14-EDU2267/1

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.



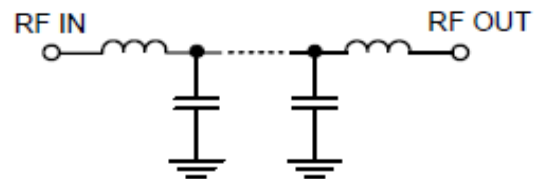
Please click "Back", and then click "Contact Us" for Applications support.

JV1210C-1

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C							
Parameter		Port	Frequency (MHz)	Min.	Typ.	Max.	Units
Passband	Insertion Loss	LPF-1	1-1100	-	1.5	-	dB
		LPF-2	1-1100	-	1.5	-	dB
	Return Loss	LPF-1	1-1100	-	13	-	dB
		LPF-2	1-1100	-	13	-	dB
Stop band isolation		LPF-1	1800-5100	-	32	-	dB
		LPF-2	1800-5100	-	32	-	dB

Functional Schematic

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power Input	8.5W



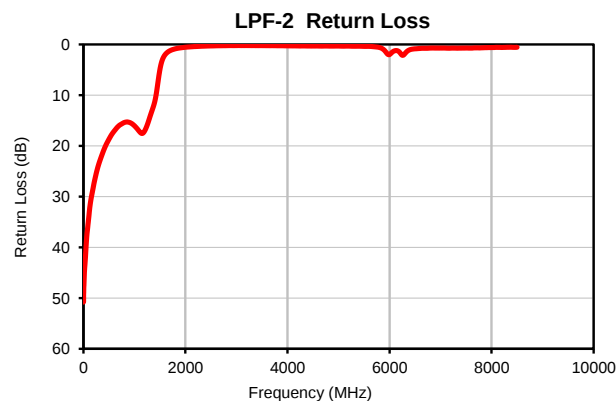
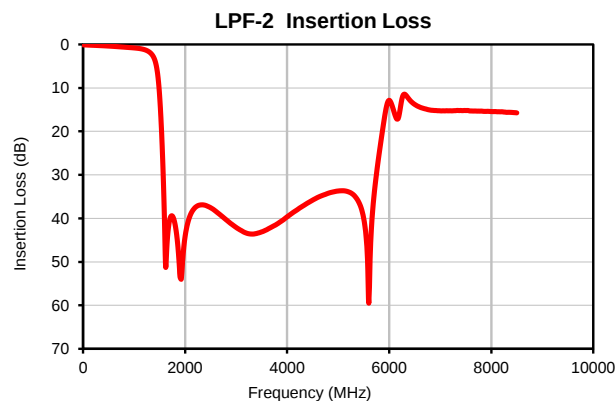
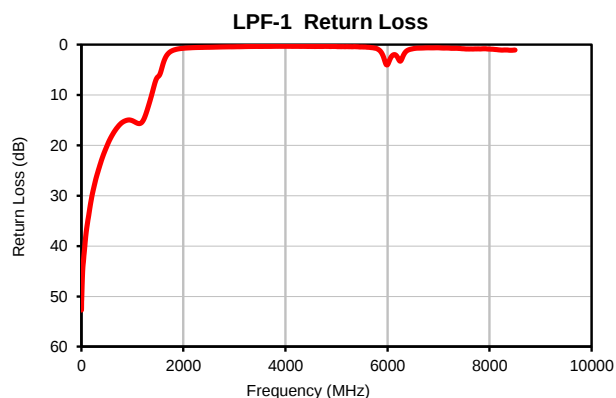
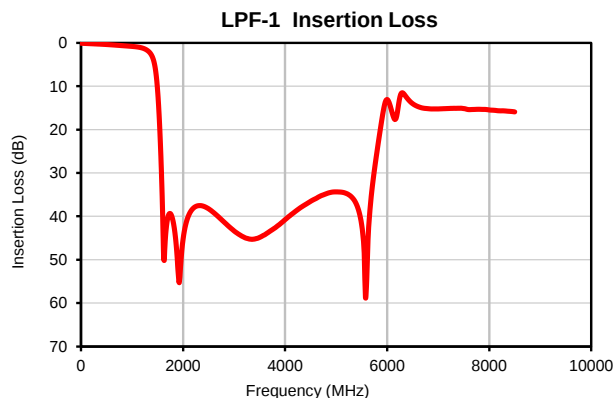
PIN CONNECTIONS	
RF IN1, RF IN2	1,6
RF OUT1, RF OUT2	3,4
Ground	2,5

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Typical Performance Data

FREQUENCY	INSERTION LOSS		RETURN LOSS	
(MHz)	(dB)		(dB)	
	LPF-1	LPF-2	LPF-1	LPF-2
1	0.08	0.07	50.75	49.26
10	0.08	0.08	49.55	47.62
50	0.11	0.11	41.92	40.24
100	0.14	0.14	36.86	34.62
200	0.19	0.19	30.50	27.82
250	0.22	0.21	28.14	25.49
500	0.38	0.36	20.17	18.70
600	0.45	0.44	18.05	17.12
750	0.58	0.57	15.91	15.67
900	0.72	0.70	15.00	15.36
1100	0.94	0.92	15.61	17.18
1330	2.03	2.05	11.68	13.48
1400	3.29	3.40	9.17	11.21
1550	21.66	23.35	5.61	2.97
1580	31.40	33.69	4.58	2.33
1800	40.91	41.21	1.11	0.86
2000	45.28	44.15	0.71	0.54
3500	44.86	43.11	0.35	0.22
4500	36.53	35.80	0.35	0.31
5100	34.42	33.65	0.40	0.33

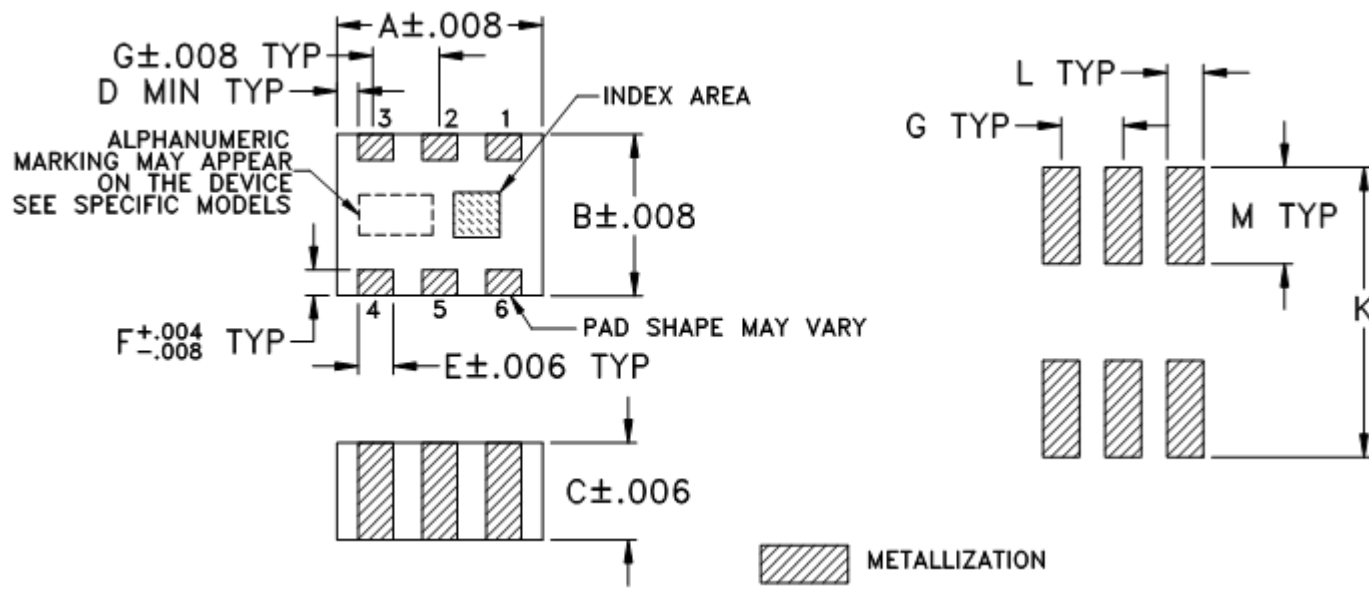
Typical Performance Curves



Outline Dimensions

JV1210C-1

PCB Land Pattern



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

CASE #	A	B	C	D	E	F	G	H	J	K	L	M	WT. GRAM
JV1210C-1	.126 (3.2)	.098 (2.5)	.059 (1.50)	.004 (.1)	.022 (.56)	.016 (.4)	.039 (1.0)	- -	- -	.177 (4.5)	.024 (.6)	.059 (1.5)	.03

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.
- Pad tolerance is non-cumulative. Minimum spacing between each pad is .004.



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



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