

Dual Low Pass Filter

B14-EDU2267/2

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.



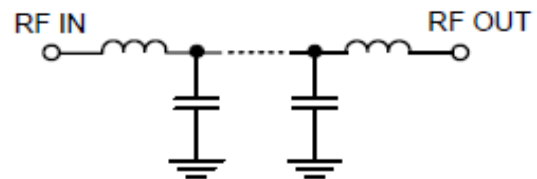
Please click "Back", and then click "Contact Us" for Applications support.

JV1210C-1

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C							
Parameter		Port	Frequency (MHz)	Min.	Typ.	Max.	Units
Passband	Insertion Loss	LPF-1	1-1200	-	1.8	-	dB
		LPF-2	1-1200	-	1.8	-	dB
	Return Loss	LPF-1	1-1200	-	10	-	dB
		LPF-2	1-1200	-	10	-	dB
Stop band isolation		LPF-1	2000-5200	-	30	-	dB
		LPF-2	2000-5200	-	30	-	dB

Functional Schematic

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



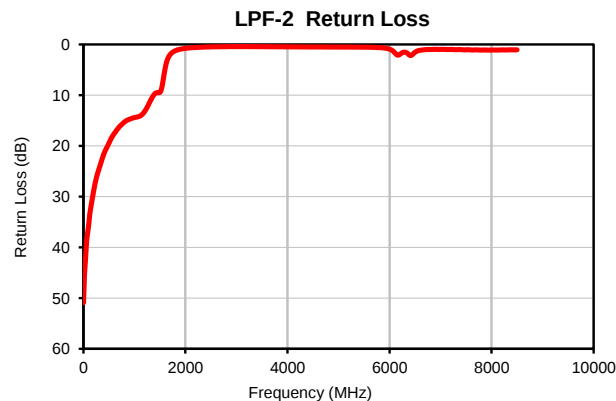
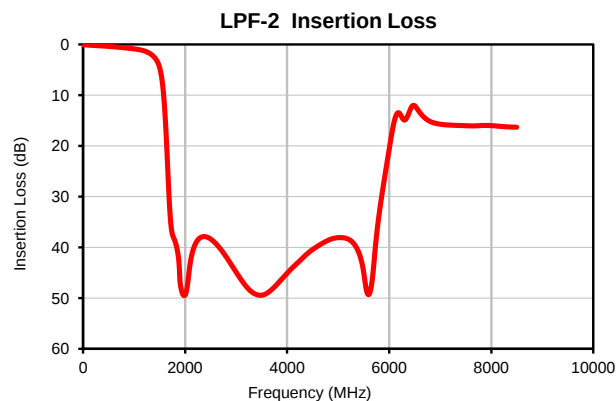
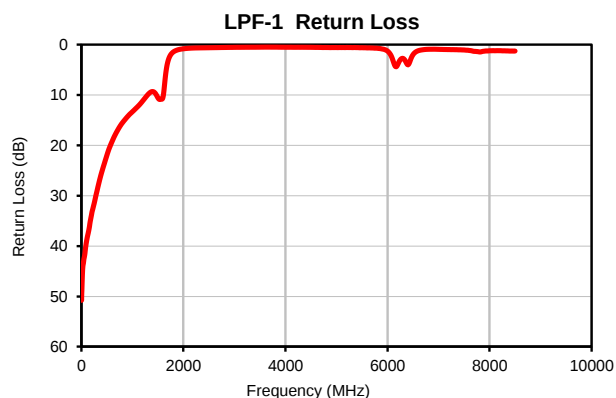
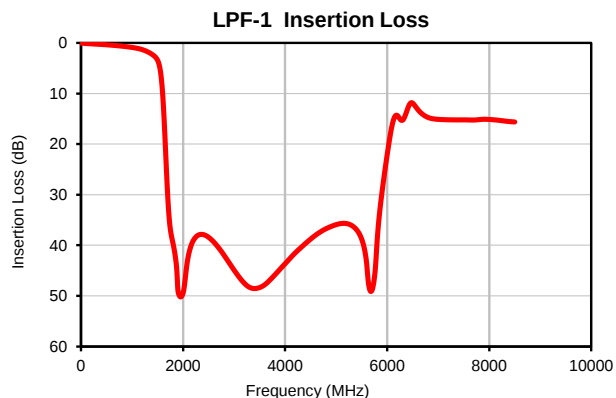
PIN CONNECTIONS	
RF IN1, RF IN2	1,6
RF OUT1, RF OUT2	3,4
Ground	2,5

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Typical Performance Data

FREQUENCY	INSERTION LOSS		RETURN LOSS	
(MHz)	(dB)		(dB)	
	LPF-1	LPF-2	LPF-1	LPF-2
1	0.03	0.03	49.83	50.94
10	0.05	0.05	48.86	48.83
50	0.09	0.08	42.61	40.90
100	0.12	0.12	39.17	35.88
200	0.19	0.18	33.76	28.95
250	0.22	0.21	31.60	26.50
500	0.37	0.37	22.00	19.47
600	0.45	0.45	19.29	17.64
750	0.59	0.59	16.33	15.79
900	0.76	0.75	14.35	14.76
1200	1.33	1.27	11.21	13.21
1330	1.89	1.92	9.65	10.78
1400	2.32	2.56	9.32	9.73
1500	3.43	4.54	10.54	9.43
1650	19.73	22.41	6.10	2.91
1700	30.46	32.72	3.21	2.00
2000	49.45	49.41	0.81	0.76
3500	48.37	49.44	0.50	0.43
4500	38.78	40.42	0.52	0.49
5200	35.71	38.39	0.56	0.51

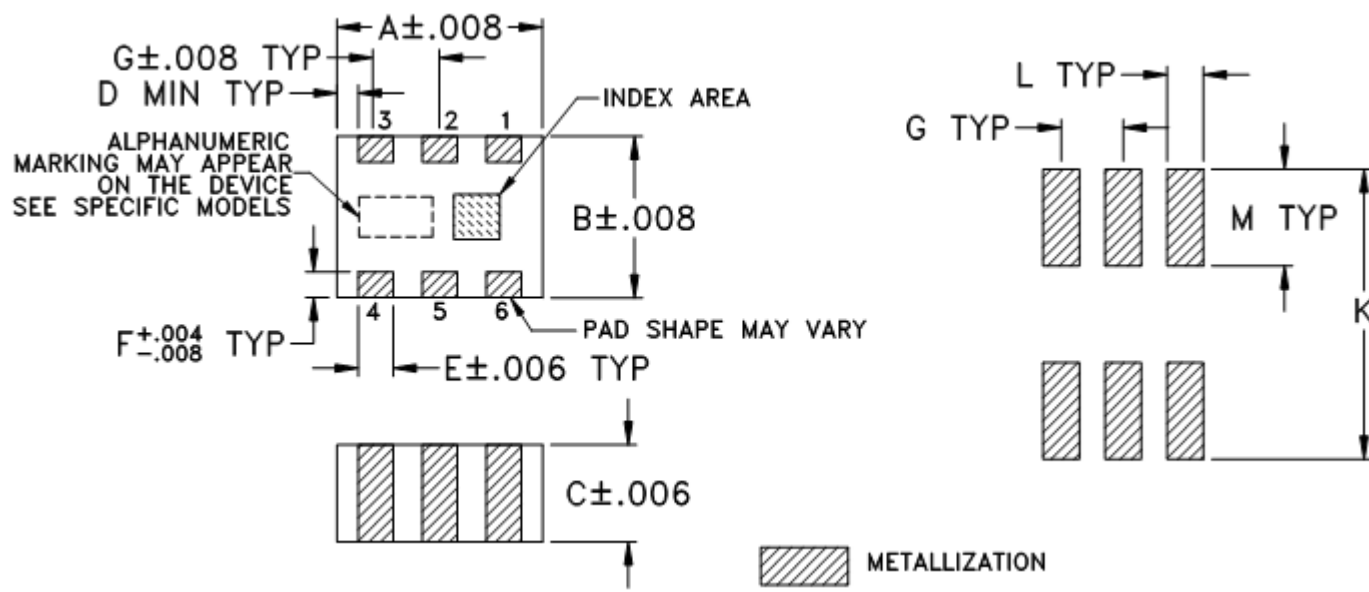
Typical Performance Curves



Outline Dimensions

JV1210C-1

PCB Land Pattern



Suggested Layout,
Tolerance to be within ±.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. ± .01; 3 Pl. ± .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.



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

RF/IF MICROWAVE COMPONENTS