

"High Frequency Ceramic Solutions"

2.4 GHz Low Pass Filter

Detail Specification: 07/07/05

P/N 2442LP18A083

Page 1 of 2

General Specifications

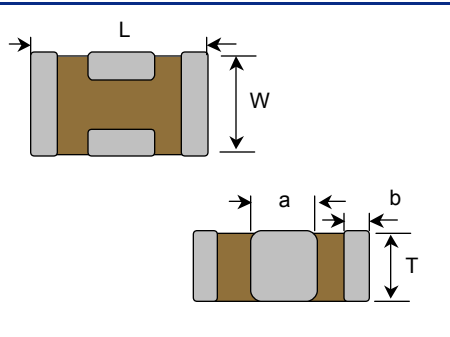
Part Number	2442LP18A083
Frequency (MHz)	2400 - 2483
Insertion Loss	0.6 dB max.
Return Loss	10.9 dB min.
Attenuation (min.)	30 dB @ 2 x fo
Attenuation (min.)	18 dB @ 3 x fo

Impedance	50 Ω
Input Power	3 Watt max.
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	3,000

Termination	100% Tin	Suffix = "None"	eg. 2442LP18A083
Style	Tin / Lead	Suffix = "/Pb"	eg. 2442LP18A083/Pb

Mechanical Dimensions

	In	mm
L	0.126 $\pm$ 0.012	3.20 $\pm$ 0.30
W	0.063 $\pm$ 0.012	1.60 $\pm$ 0.30
T	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20
a	0.031 $\pm$ 0.012	0.80 $\pm$ 0.30
b	0.020 $\pm$ 0.012	0.50 $\pm$ 0.30



Terminal Configuration	
No.	Function
1	I/O
2	I/O
3	GND
4	GND

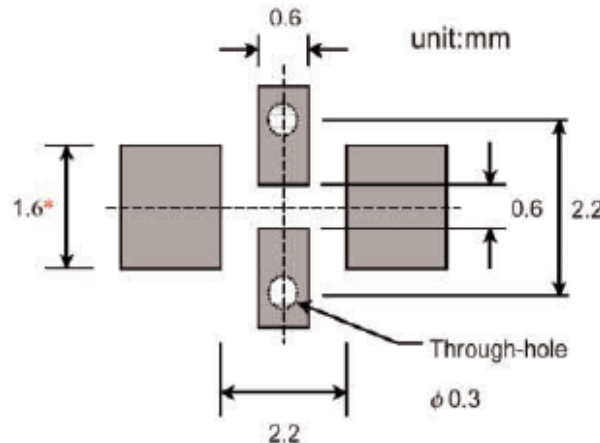
The diagram shows the filter component with four terminals numbered 1 through 4. Terminals 1 and 2 are on the left side, and terminals 3 and 4 are on the right side. Terminals 3 and 4 are connected to ground.

Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness

Units: mm



Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechology.com

931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2003 Johanson Technology, Inc. All Rights Reserved

"High Frequency Ceramic Solutions"

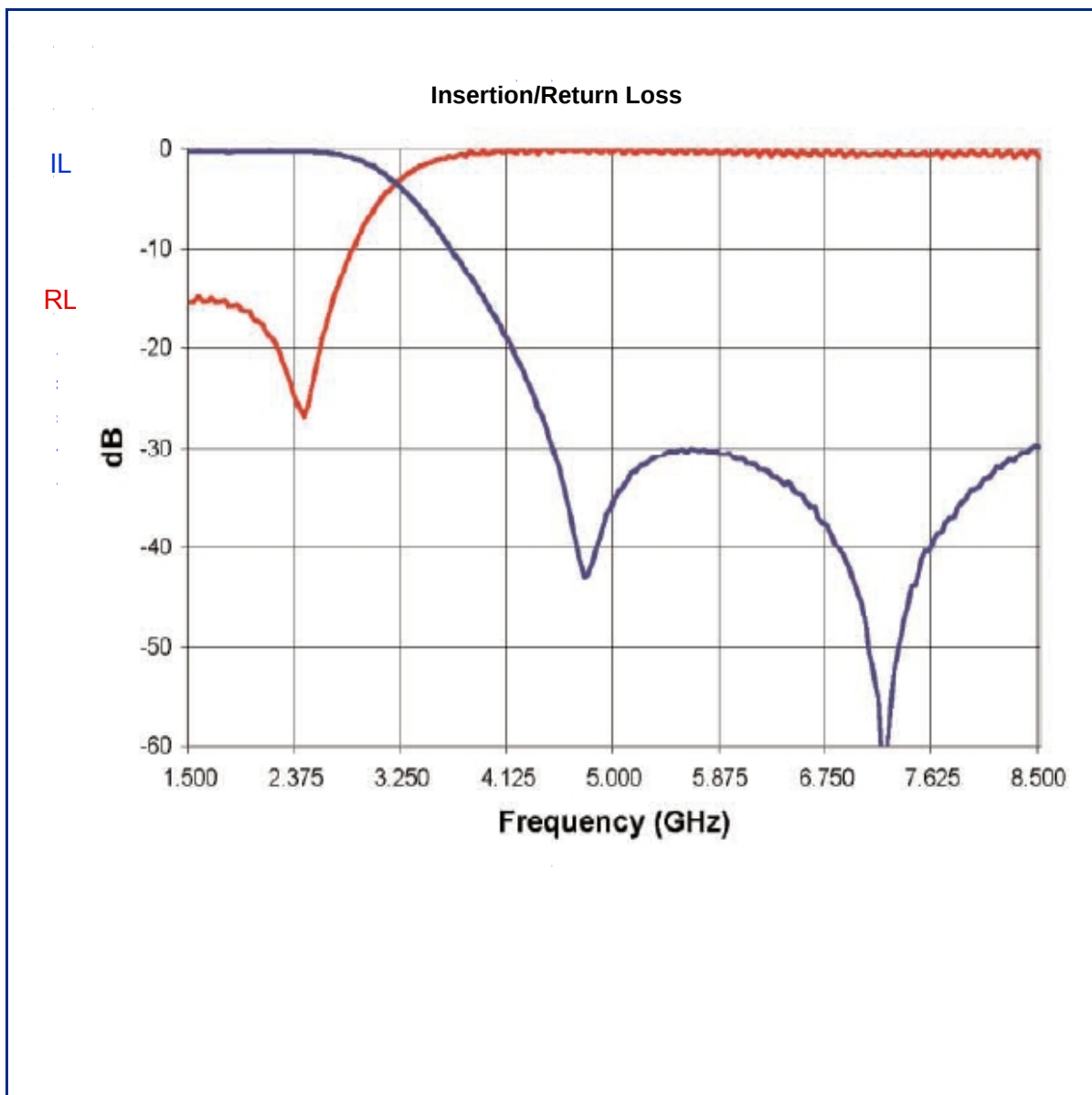
2.4 GHz Low Pass Filter

P/N 2442LP18A083

Detail Specification: 07/07/05

Page 2 of 2

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice.

All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2003 Johanson Technology, Inc. All Rights Reserved