

"High Frequency Ceramic Solutions"

2.45 GHz Band Pass Filter

Detail Specification Page 1 of 2

P/N 2450BP18C100A

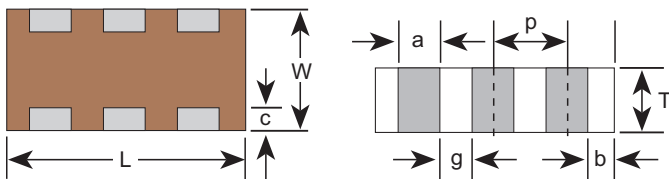
Revised 09/18/01

Part Number	Frequency (MHz)	Insertion Loss	Attenuation (min.)	Return Loss	Ripple
2450BP18C100A_	2450 ± 50	2.5 dB max.	40 dB @ 1.2 - 1.8 GHz 25 dB @ 2.1 GHz 35 dB @ 4.8 - 5.0 GHz 25 dB @ 7.2 - 7.5 GHz	9.5 dB min.	0.7 dB max.

Input Power	Impedance	Operating Temperature Range
3 Watts max	50 Ω	-40 to +85°C

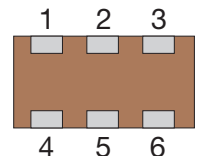
Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.126 ± .006	0.064 ± .006	0.034 ± .004	0.022 ± .006	0.014 ± .006	0.012 ± .004/-0.008	0.016 ± .004	0.039 ± .004
mm	3.2 ± 0.15	1.6 ± 0.15	0.85 ± 0.1	0.55 ± 0.15	0.35 ± 0.15	0.3 ± 0.1/-0.2	0.4 ± 0.1	1.0 ± 0.1



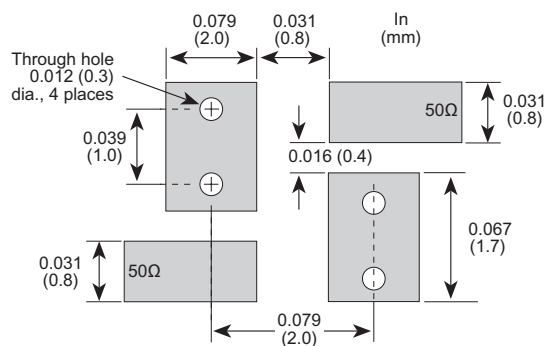
Terminal Configuration

No.	Function	No.	Function
1	I/O	4	GND
2	GND	5	GND
3	GND	6	I/O



Mounting Considerations

Mount these devices with brown colored side facing up.
Line width should be designed to provide 50Ω impedance matching characteristics.



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.

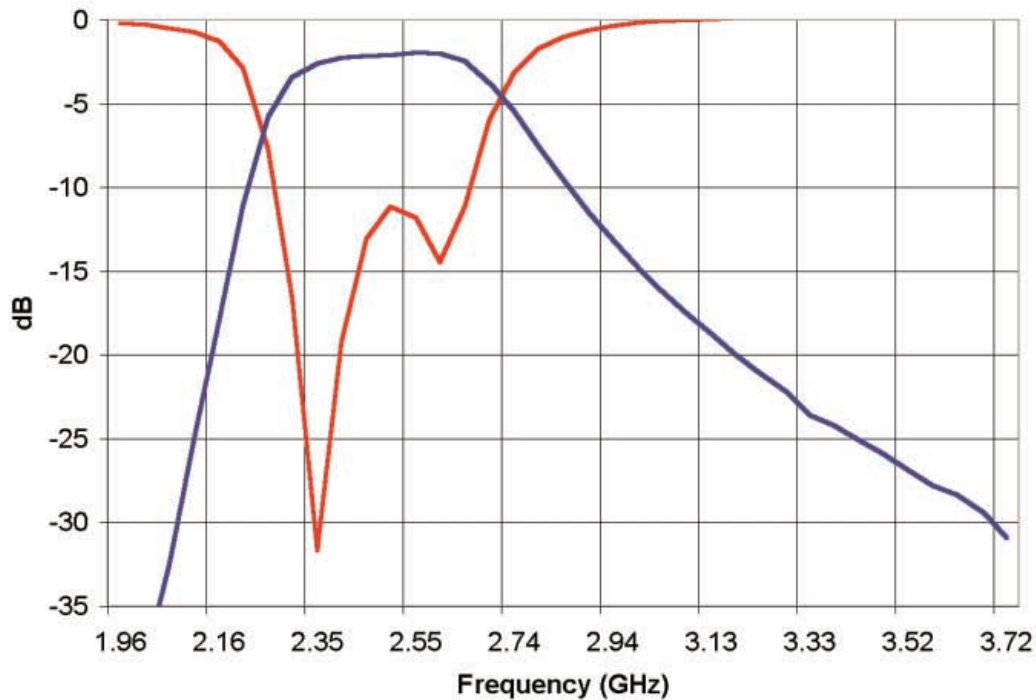
“High Frequency Ceramic Solutions”

2.45 GHz Band Pass Filter

P/N 2450BP18C100A

Detail Specification Page 2 of 2

Typical **Insertion Loss** / **Return Loss**



Delivery

Packaged in embossed tape on 7" reels (3000 / reel)
Standard delivery is eight weeks or sooner ARO