

# "High Frequency Ceramic Solutions"

## 1.81 GHz Low Pass Filter

P/N 1810LP14A200

Detail Specification 01/06/2003

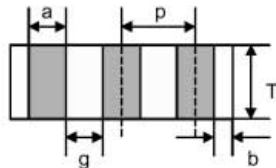
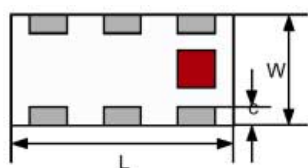
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Part Number	Frequency (MHz)	Insertion Loss	Attenuation (min.)	Return Loss
1810LP14A200_	1710 - 1910	0.6 dB max.	30 dB @ 3420 - 3570 MHz 25 dB @ 3700 - 3820 MHz 20 dB @ 5130 - 5730 MHz	11.7 dB min.

Input Power	Impedance	Operating Temperature Range
3 Watt max	50 $\Omega$	-40 to +85°C

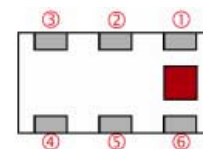
### Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.063 ± .004	0.032 ± .004	0.024 ± .004	.008 ± .004	0.008 ± .004/-0.006	.006 ± .004	0.012 ± .004	0.020 ± .002
mm	1.6 ± 0.1	0.80 ± 0.1	0.60 ± 0.1	0.20 ± 0.1	0.20 ± 0.1/-0.15	0.15 ± 0.1	0.30 ± 0.1	0.50 ± 0.05






### Terminal Configuration

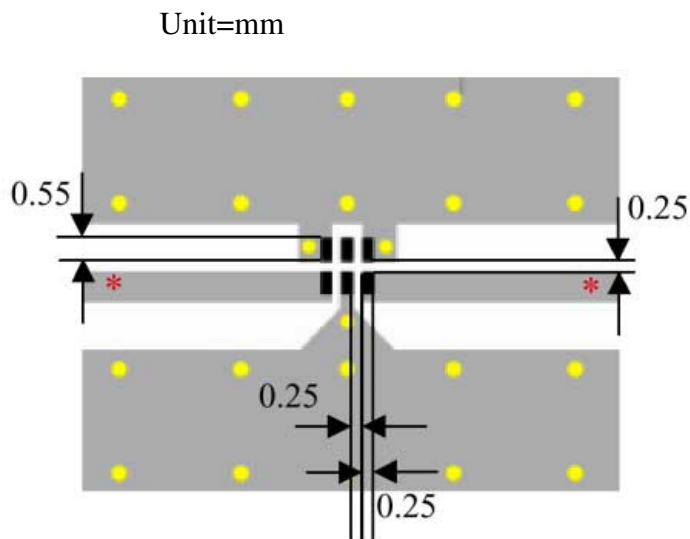
No.	Function	No.	Function
1	GND	4	OUT
2	NC	5	GND
3	GND	6	IN



### Mounting Considerations

- Mount these devices with brown mark facing up.
- Line width should be designed to provide 50 $\Omega$  impedanc

-  Solder Resist
-  Land
-  Through-hole ( $\phi$  0.35)



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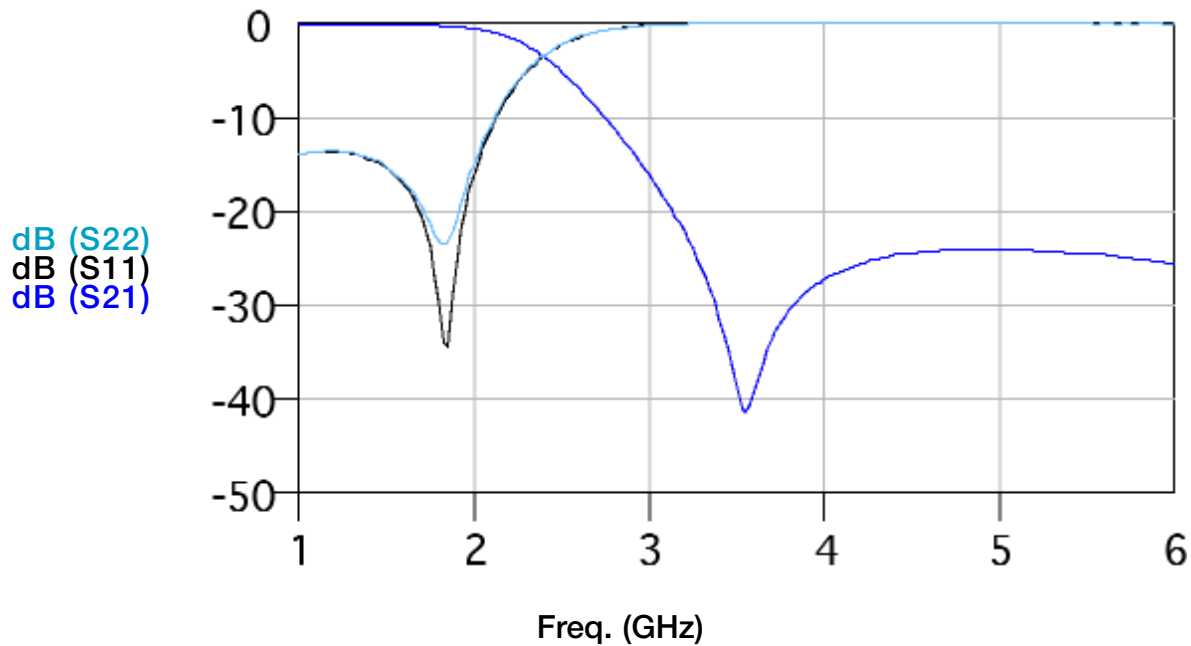
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Typical Insertion Loss / Return Loss



## Delivery

Packaged in embossed tape on 7" reels (4000 / reel)  
Standard delivery is eight weeks or sooner ARO