

# "High Frequency Ceramic Solutions"

## 5.5 GHz Band Pass Filter

Detail Specification

P/N 5515BP15B730

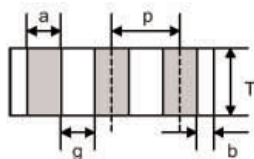
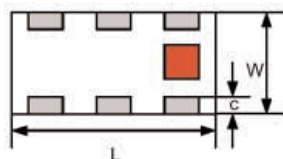
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Part Number	Frequency (MHz)	Insertion Loss	Attenuation (min.)	Return Loss	Ripple
5515BP15B730_	5150 - 5875	2.8 dB max.	30 dB @ 0.5-4.0 GHz 25 dB @ 10.3-11.8 GHz 20 dB @ 4.6 GHz	9.5 dB min.	0.7 dB max.

Input Power	Group Delay	Impedance	Operating Temperature Range
3 Watts max	5.0 nS max.	50 $\Omega$	-40 to +85°C

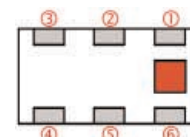
### Mechanical Dimensions

	L	W	T	a	b	c	g	p
Inches	0.079 ± .004	0.049 ± .004	0.034 ± .004	0.012 ± .004	0.008 ± .004	0.012 + .004/-0.008	0.014 ± .004	0.026 ± .002
mm	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.30 ± 0.1	0.20 ± 0.1	0.30+0.1/-0.2	0.35 ± 0.1	0.65 ± 0.05



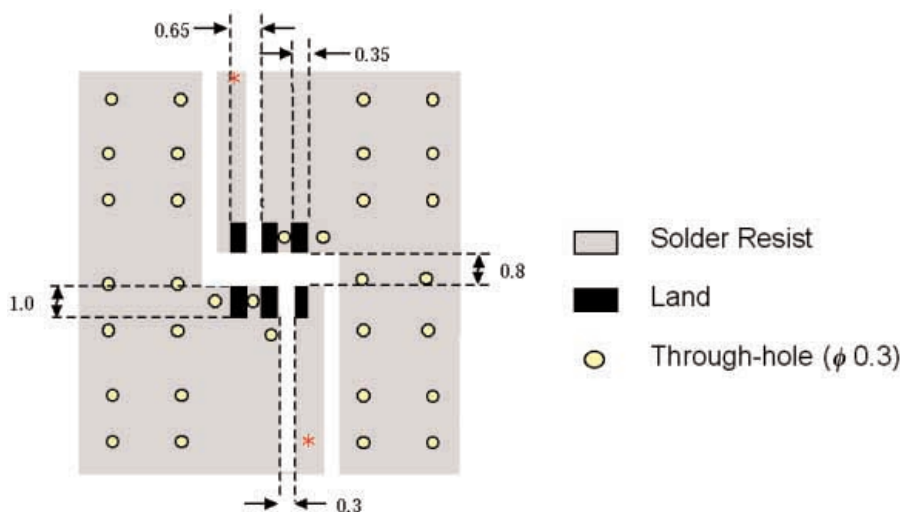
### Terminal Configuration

1	GND	4	GND
2	GND	5	GND
3	I/O	6	I/O



### Mounting Considerations

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



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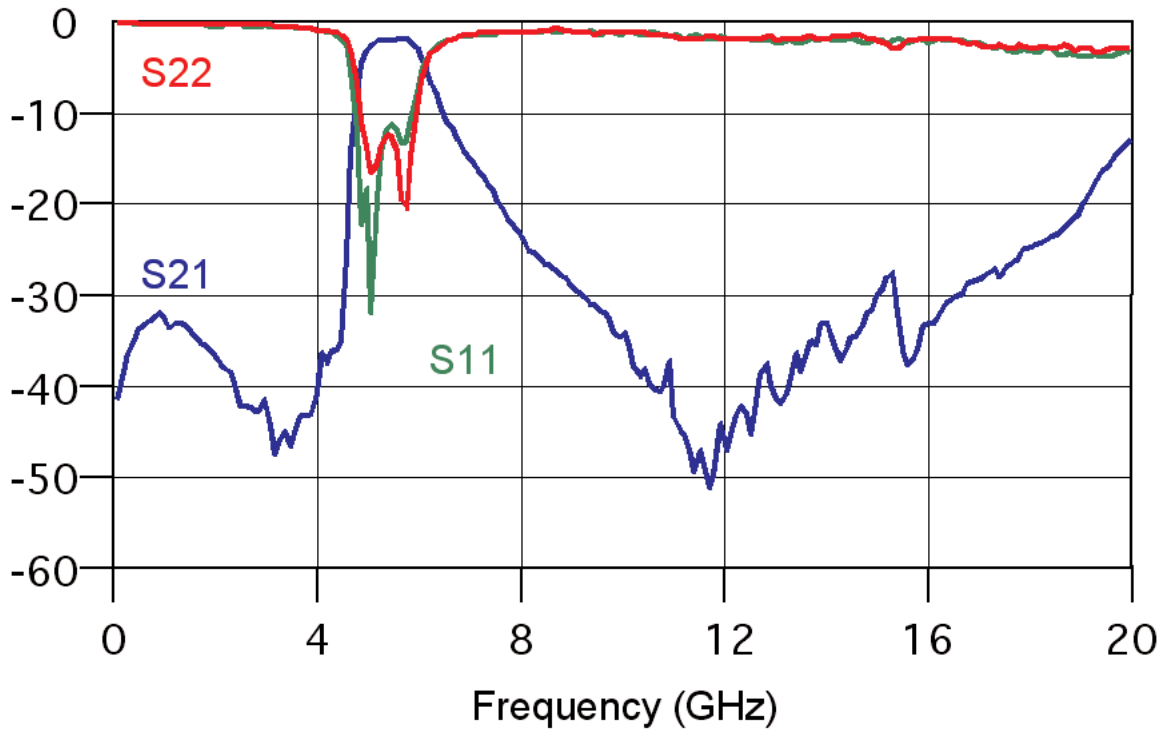
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Typical Insertion Loss / Return Loss



### Delivery

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