

High Frequency Ceramic Solutions

500 MHz Low Pass Filter

P/N 0500LP15A500

Detail Specification: 01/03/2012

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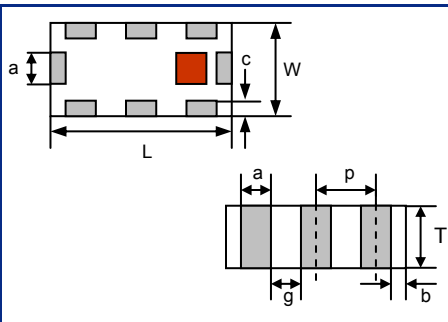
General Specifications

Part Number	0500LP15A500
Frequency (MHz)	0 - 500
Insertion Loss	0.7 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	9 dB @ 824 - 960 Mhz
Attenuation (min.)	25 dB @ 1.71 - 1.99 Ghz
Attenuation (min.)	25 dB @ 2.40 - 4.00 Ghz

Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity: 45~75%RH, 18 mos. Max
Reel Quantity	4000
Input Power	2 Watt max.

Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05



Terminal Configuration

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

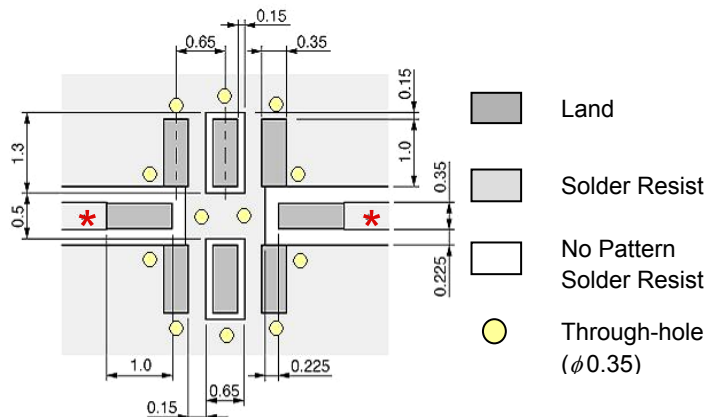
The diagram shows the terminal configuration with 8 pins. Pins 1, 3, 5, and 7 are Ground (GND). Pins 2 and 6 are No Connection (NC). Pin 4 is the Output (OUT) and Pin 8 is the Input (IN). The pins are arranged in a rectangular pattern around the component.

Mounting Considerations

Mount these devices with red mark facing up.

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

Units: mm



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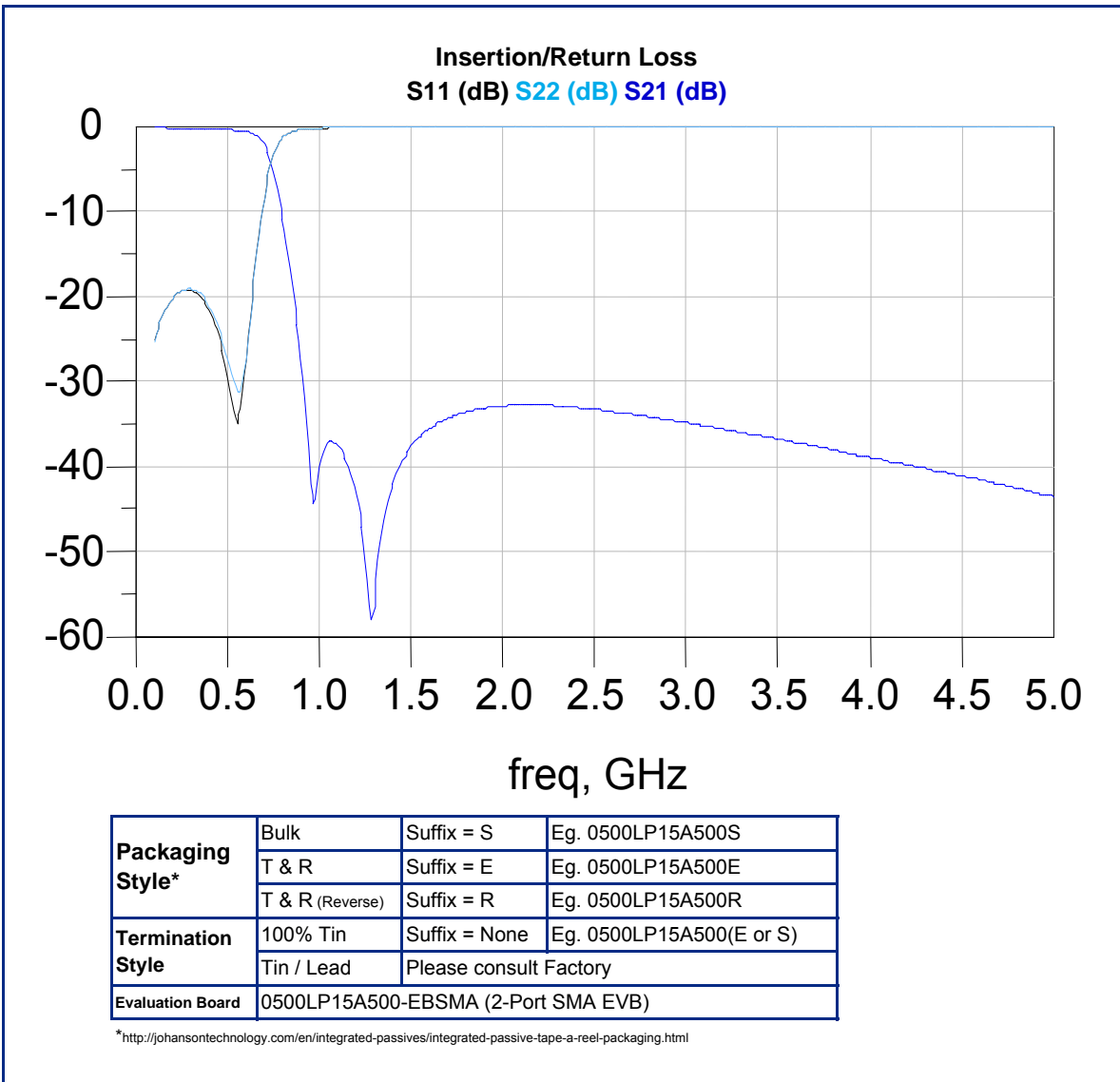
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Typical Electrical Performance (T=25°C)



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