

High Frequency Ceramic Solutions

1.75 GHz Low Pass Filter

Detail Specification: 07/29/08

P/N 1748LP18A075

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General Specifications

Part Number	1748LP18A075
Frequency (MHz)	1710 - 1785
Insertion Loss	0.60 dB max.
Return Loss	10.9 dB min.
Attenuation (min.)	30 dB @ 3500 MHz
Attenuation (min.)	20 dB @ 5240 MHz

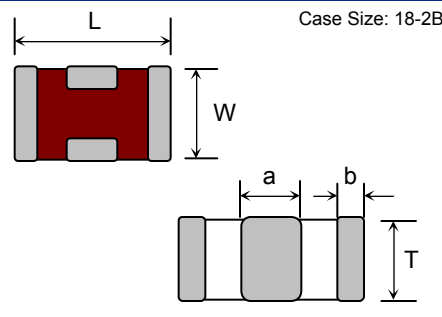
Input Power	2W max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35 °C, 12 mos max. Humidity 45~75%RH
Reel Quantity	3,000
MSL	2*

* - 1 yr shelf life in bag; 1 week shelf life out of bag; Vacuum reseal unused reel

P/N	Packaging	Bulk	Suffix = S	Eg. 1748LP18A075S
Suffix	Style	T & R	Suffix = E	Eg. 1748LP18A075E

Mechanical Dimensions

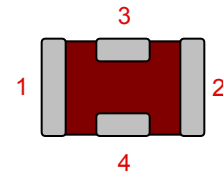
	In	mm
L	0.126 $\pm$ 0.012	3.20 $\pm$ 0.30
W	0.063 $\pm$ 0.012	1.60 $\pm$ 0.30
T	0.039 $\pm$ 0.008	1.00 $\pm$ 0.20
a	0.031 $\pm$ 0.012	0.80 $\pm$ 0.30
b	0.020 $\pm$ 0.012	0.50 $\pm$ 0.30



Case Size: 18-2B

Terminal Configuration

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



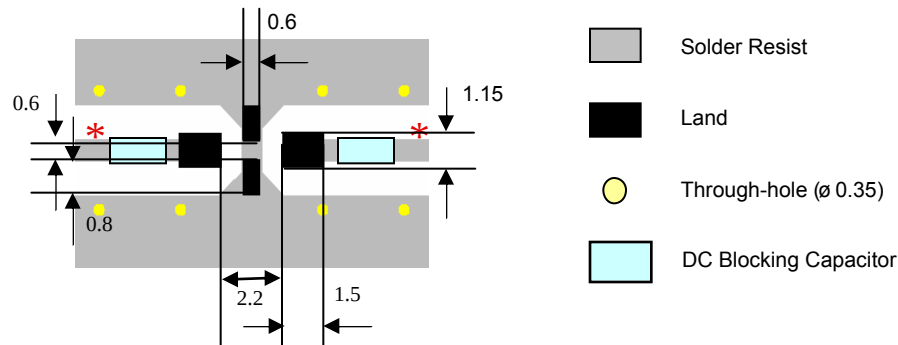
Mounting Considerations

Mount these devices with brown mark facing up.

Line width should be designed to provide 50 Ω impedance matching characteristics.

DC Blocking capacitor is connected in series at each In/Out Port.

Units: mm



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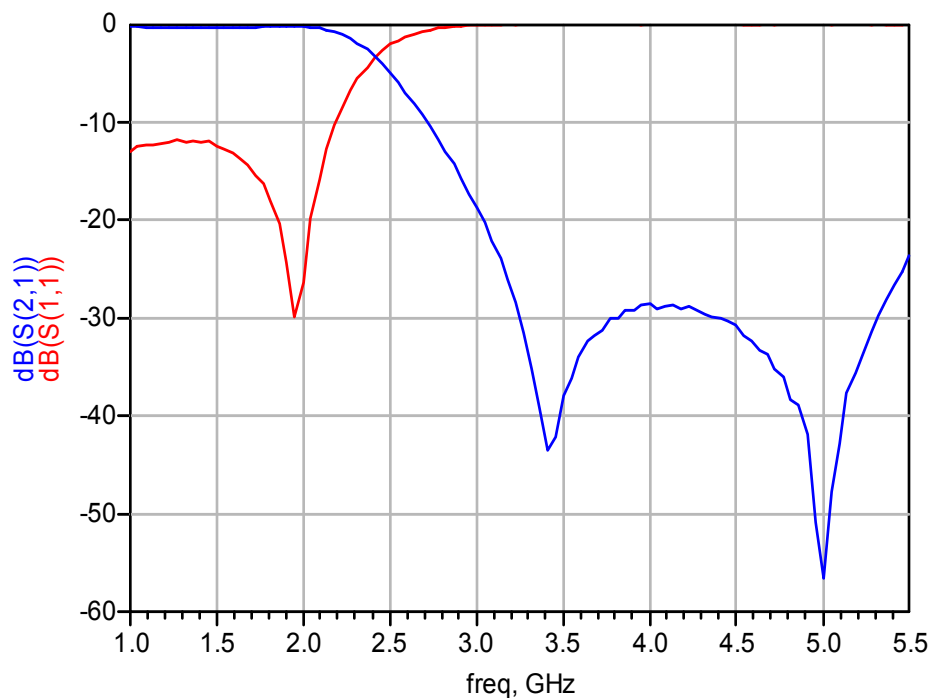
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Typical Electrical Performance (T=25°C)



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