

High Frequency Ceramic Solutions

1.75 GHz Low Pass Filter

P/N 1748LP18A075

Detail Specification: 07/29/08

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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

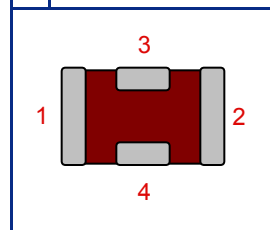
P/N	Packaging Style	Bulk	Suffix = S	Eg. 1748LP18A075S
Suffix	Style	T & R	Suffix = E	Eg. 1748LP18A075E

Mechanical Dimensions

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

Terminal Configuration

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



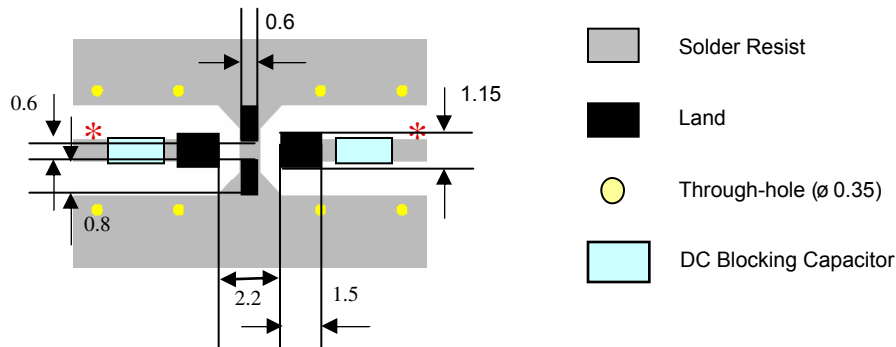
Mounting Considerations

Mount these devices with brown mark facing up.

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

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

Units: mm



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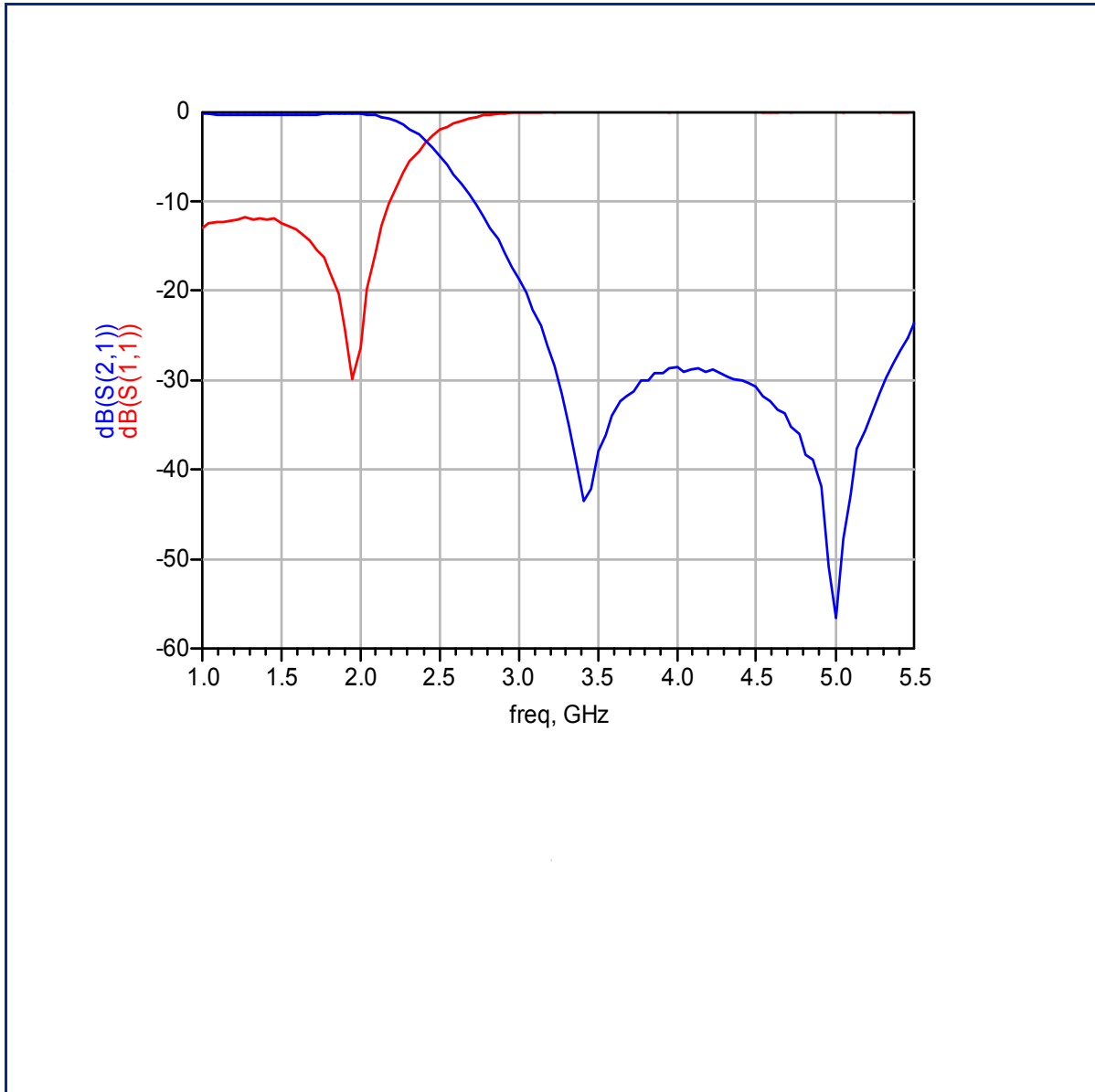
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Typical Electrical Performance (T=25°C)



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