

# "High Frequency Ceramic Solutions"

Preliminary

**869/1810 MHz Dual Low Pass Filter**

**P/N 0869LD14C1810**

Detail Specification: 10/27/10

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## General Specifications

<b>Part Number</b>	0869LD14C1810	
<b>Frequency (MHz)</b>	824 - 915	1710 - 1910
<b>Insertion Loss</b>	0.6 dB max.	0.6 dB max.
<b>Return Loss</b>	9.5 dB min.	9.5 dB min.
<b>Attenuation (min.)</b>	25 dB @ 2 x f <sub>o</sub>	22 dB @ 2 x f <sub>o</sub>
<b>Attenuation (min.)</b>	18 dB @ 3 x f <sub>o</sub>	20 dB @ 3 x f <sub>o</sub>

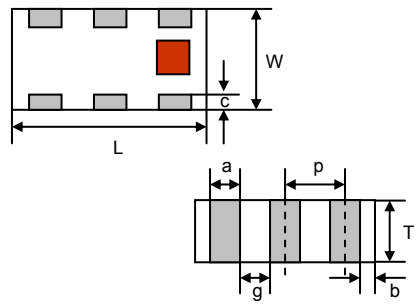
<b>Impedance</b>	50 Ω
<b>Reel Quantity</b>	4000
<b>Input Power</b>	0.5 Watts max.
<b>Operating Temperature</b>	-40 to +85°C
<b>Storage Temperature</b>	+5 ~ +35°C, Humidity 45-75%RH
<b>Storage Period</b>	12 months max.*

<b>P/N Suffix</b>	<b>Packaging Style</b>	Bulk	Suffix = S	Eg.0869LD14C1810S
		T & R	Suffix = T	Eg. 0869LD14C1810T
<b>Suffix</b>	<b>Termination Style</b>	100% Tin	Suffix = None	Eg. 0869LD14C1810(S or T)
		Tin / Lead	Suffix = /Pb	Eg. 0869LD14C1810(S or T)/Pb

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

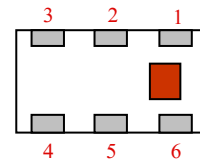
## Mechanical Dimensions

	In	mm
<b>L</b>	0.063 ± 0.004	1.60 ± 0.10
<b>W</b>	0.031 ± 0.004	0.80 ± 0.10
<b>T</b>	0.014 ± 0.002	0.35 ± 0.05
<b>a</b>	0.008 ± 0.004	0.20 ± 0.10
<b>b</b>	0.008 +.004/-0.006	0.20 +0.1/-0.15
<b>c</b>	0.006 ± 0.004	0.15 ± 0.10
<b>g</b>	0.012 ± 0.004	0.30 ± 0.10
<b>p</b>	0.020 ± 0.002	0.50 ± 0.05



## Terminal Configuration

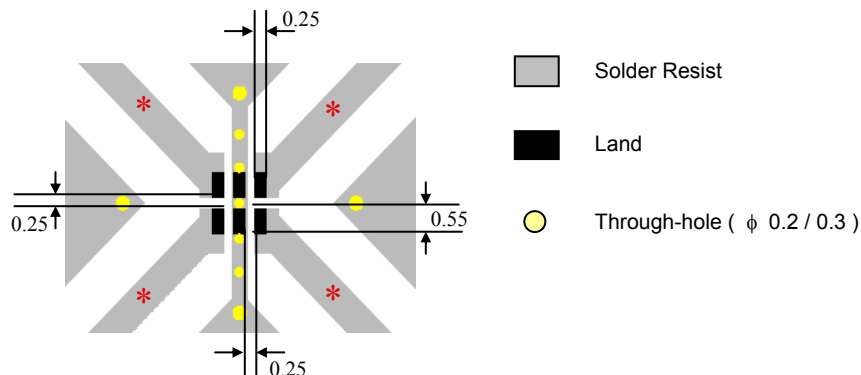
No.	Function
1	HB_IN
2	GND
3	LB_IN
4	LB_OUT
5	GND
6	HB_OUT



Mount these devices with brown mark facing up.

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

Units: mm



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[www.johansontechnology.com](http://www.johansontechnology.com)

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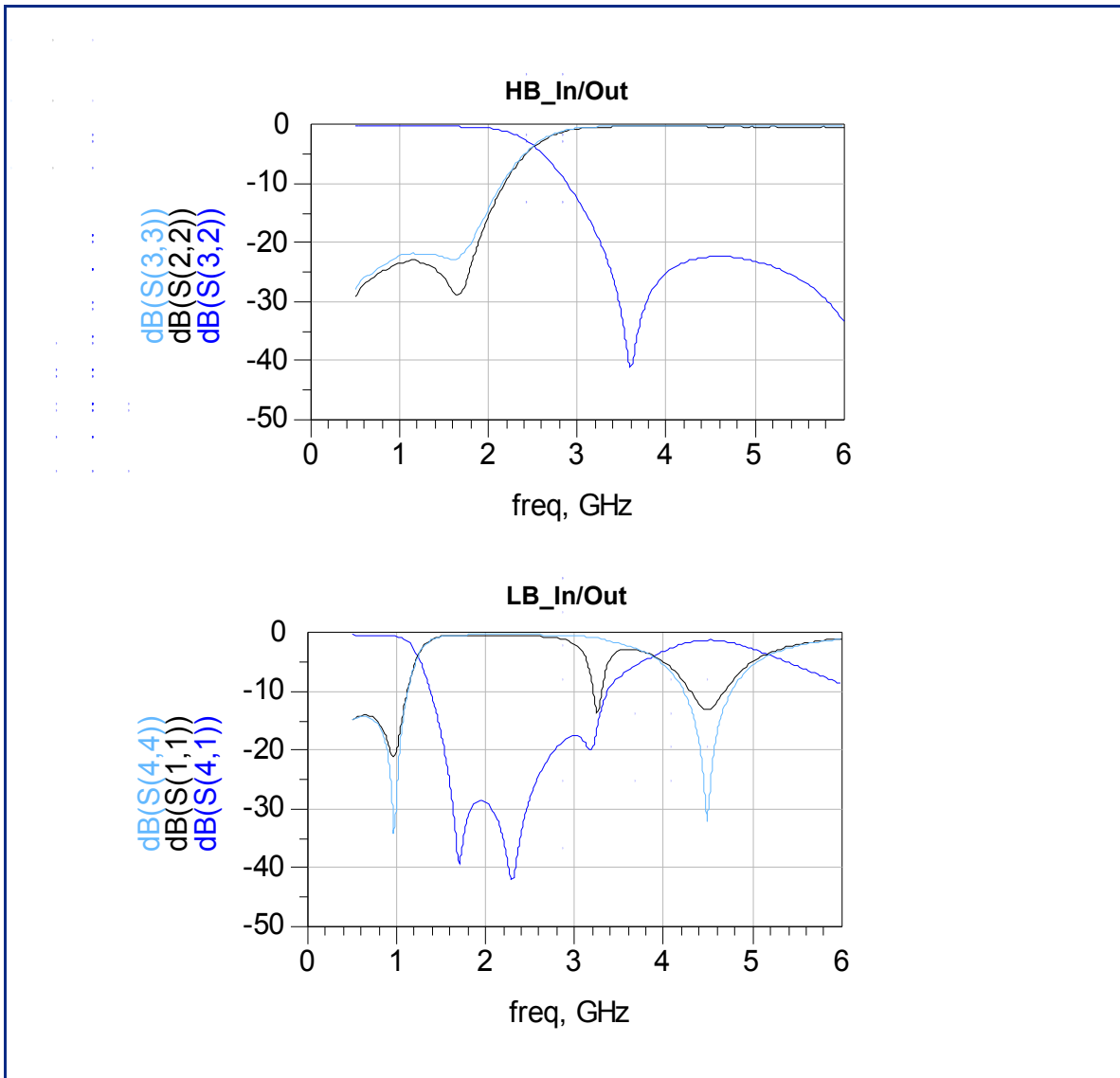
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## Typical Electrical Performance (T=25°C)



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