

"High Frequency Ceramic Solutions"

Preliminary

869/1810 MHz Dual Low Pass Filter

P/N 0869LD14C1810

Detail Specification: 08/12/08

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General Specifications

Part Number	0869LD14C1810	
Frequency (MHz)	824 - 915	1710 - 1910
Insertion Loss	0.6 dB max.	0.6 dB max.
Return Loss	9.5 dB min.	9.5 dB min.
Attenuation (min.)	25 dB @ 2 x fo	22 dB @ 2 x fo
Attenuation (min.)	18 dB @ 3 x fo	20 dB @ 3 x fo

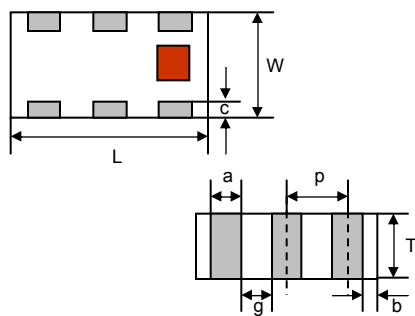
Impedance	50 Ω
Reel Quantity	4000
Input Power	0.5 Watts max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity 45-75%RH
Storage Period	12 months max.*

P/N	Packaging Style	Bulk	Suffix = S	Eg.0869LD14C1810S
		T & R	Suffix = E	Eg. 0869LD14C1810E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 0869LD14C1810(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 0869LD14C1810(E or S)/Pb

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

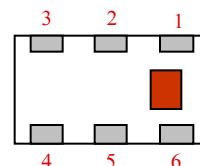
Mechanical Dimensions

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



Terminal Configuration

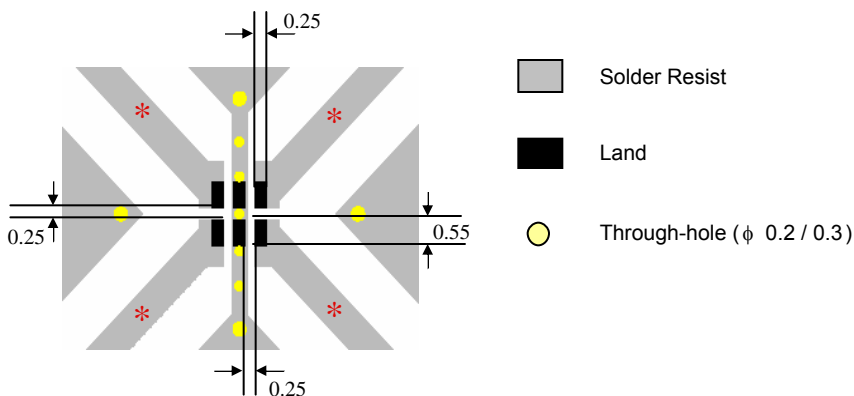
No.	Function
1	HB_IN
2	GND
3	LB_IN
4	LB_OUT
5	GND
6	HB_OUT



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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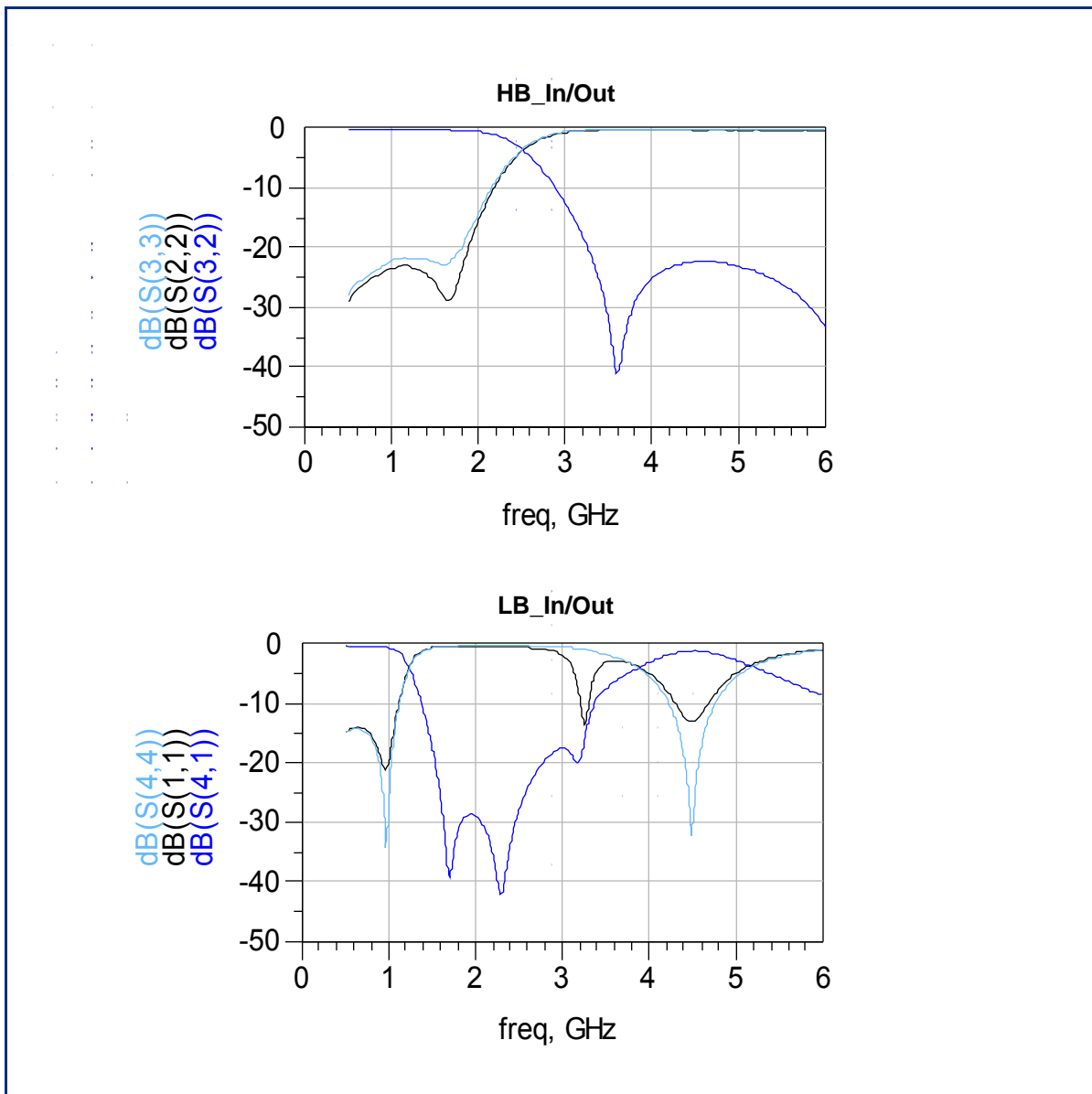
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Typical Electrical Performance (T=25°C)



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