

"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 |

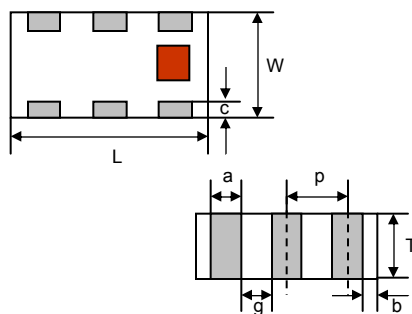
| | |
|------------------------------|----------------------------------|
| Impedance | 50 Ω |
| Reel Quantity | 4000 |
| Input Power | 0.5 Watts max. |
| Operating Temperature | -40 to +85°C |
| Storage Temperature | +5 ~ +35°C, Humidity 45-75%RH |
| Storage Period | 12 months max.* |

| | | | | |
|---------------|--------------------------|------------|---------------|------------------------------|
| 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

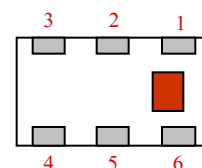
Mechanical Dimensions

| | 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

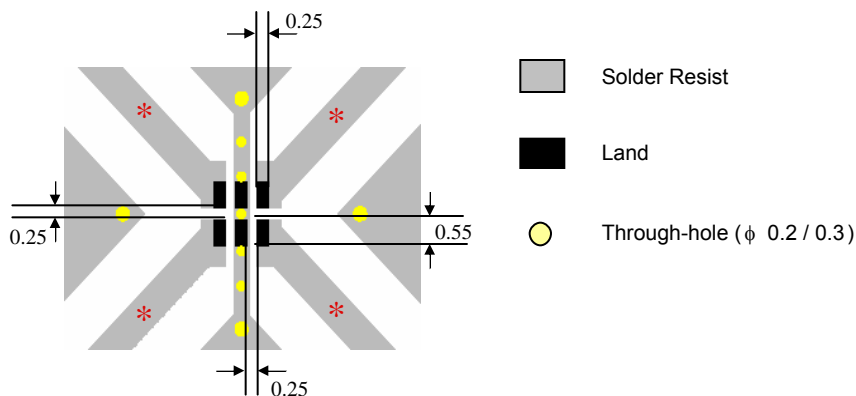
| No. | Function |
|-----|----------|
| 1 | HB_IN |
| 2 | GND |
| 3 | LB_IN |
| 4 | LB_OUT |
| 5 | GND |
| 6 | HB_OUT |



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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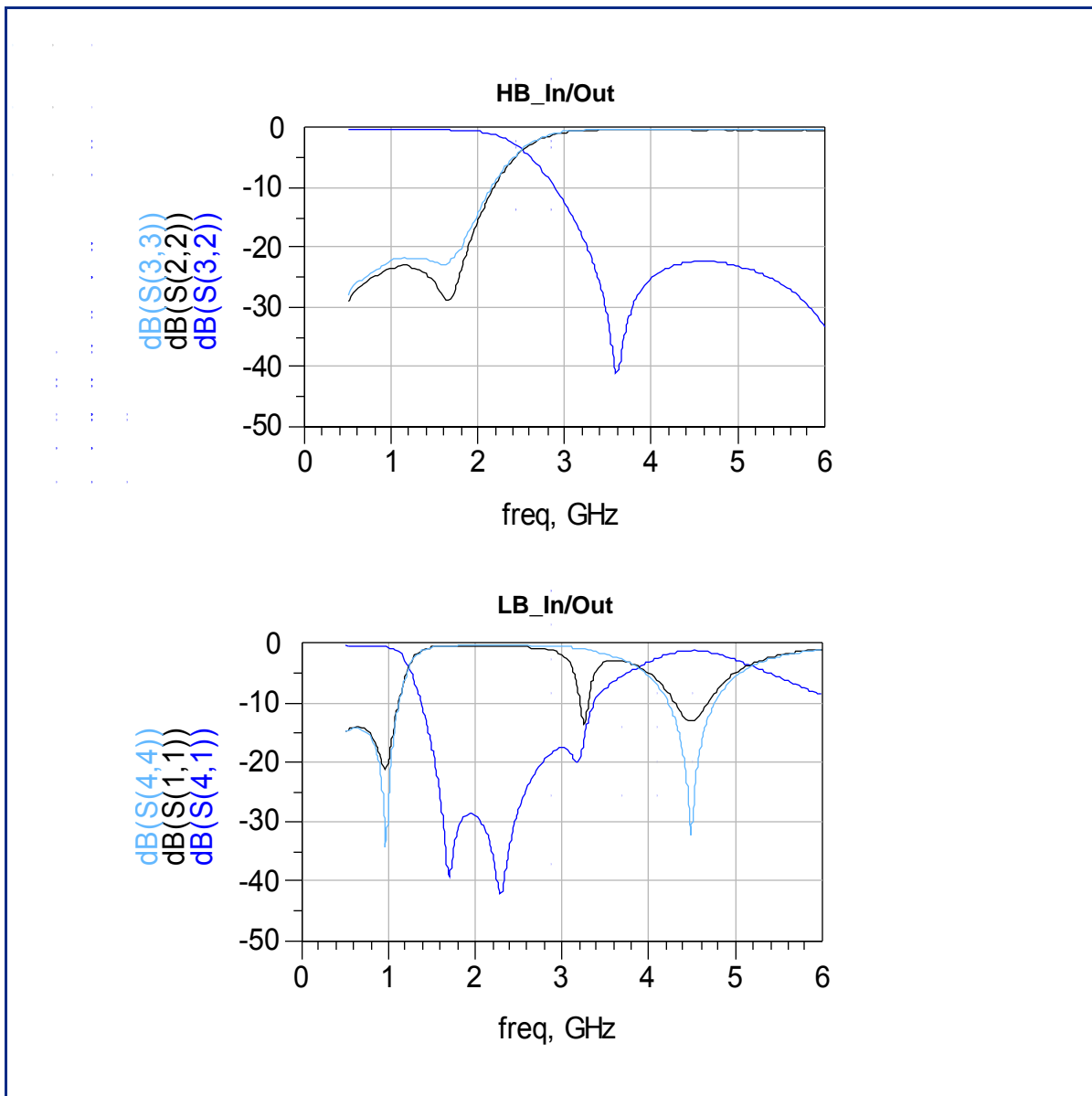
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Typical Electrical Performance (T=25°C)



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