Multilayer Chip Balun (Preliminary Data Sheet)

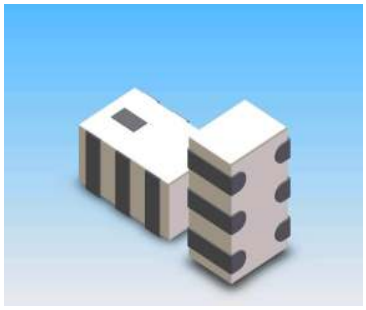
Customer	
Part No.	**SB24B10218NX**
Date	

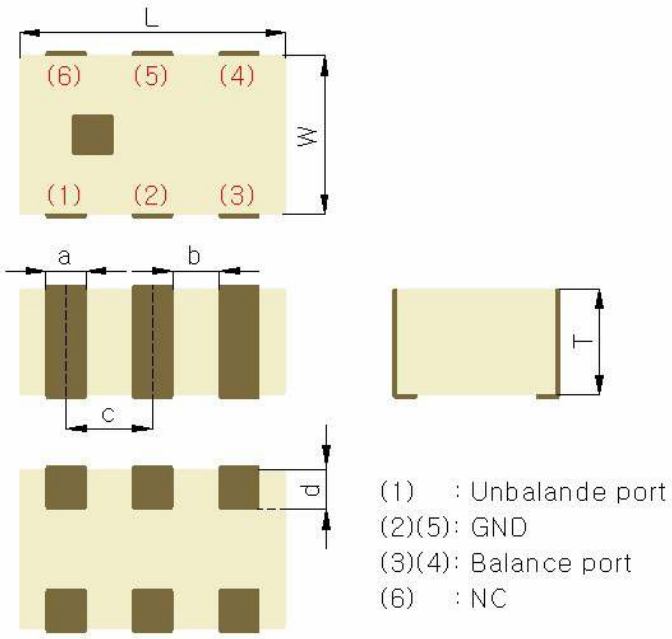
Written by	Checked by	Approved by
J.W., Seo	J.S., Ha	Y.S., Lee

1. Electrical Specifications.

Item	Specifications
Frequency Range	**2450 ± 50 MHz**
Unbalanced Impedance	**50 Ohm**
Differential Balanced Impedance	**100 Ohm**
Insertion Loss	**1.0 dB max.**
V.S.W.R(Unbalanced Port)	**2.0 max.**
Phased Balance	**180 ± 10 deg**
Amplitude Balance	± 1 dB max.
Power Capacity	**1 W**
Operation Temperature Range	**-40˚C ~ +85˚C**

2. Dimensions.





L	**2.00 ± 0.10**
W	**1.20 ± 0.10**
T	**0.80 ± 0.10**
a	**0.30 ± 0.10**
b	**0.35 ± 0.10**
c	**0.65 ± 0.10**
d	**0.30 ± 0.10**

Unit : mm

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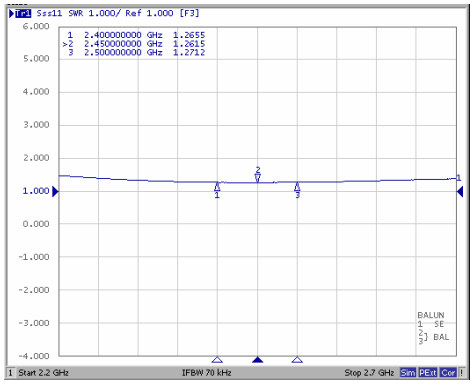
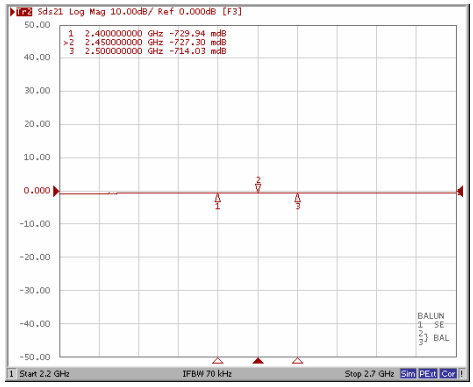
3. Frequency Response (Instrument : Agilent E5071B Network Analyzer)

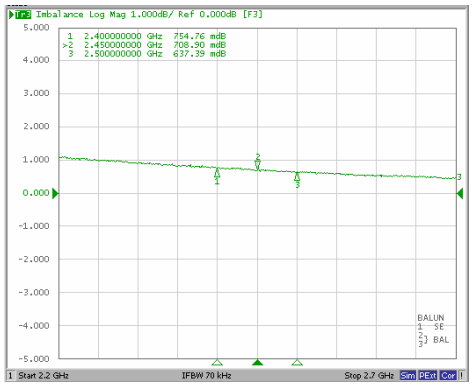
<V.S.W.R>



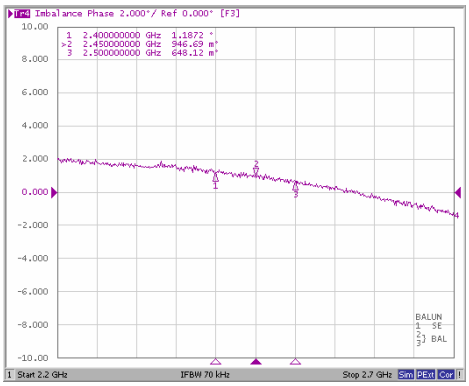
<Insertion loss>



<Amplitude Imbalance>



<Phase Imbalance>



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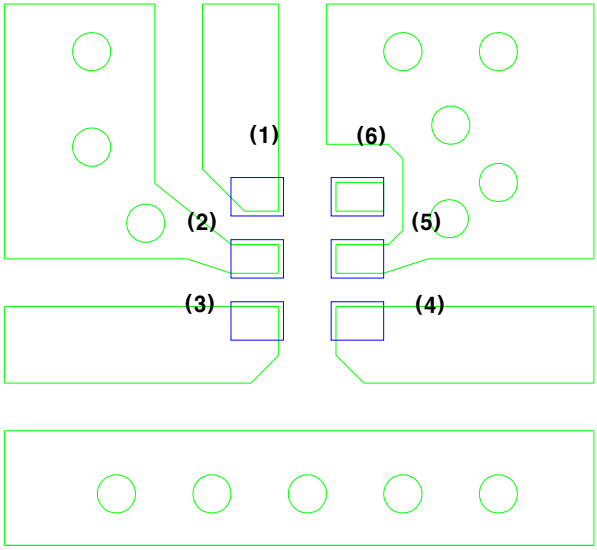
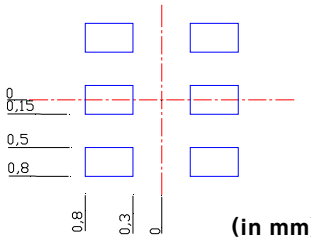
4. Land pattern.





PCB PAD

Copper Top

GND through hole

(1) : Unbalance port
(2) (5): GND
(3) (4): Balance port
(6) : NC