# Multilayer Chip Balun (Preliminary Data Sheet)

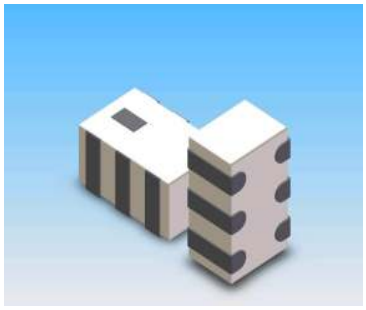
| | |
|---|---|
| Customer | |
| Part No. | SB26B10218NX |
| Date | |

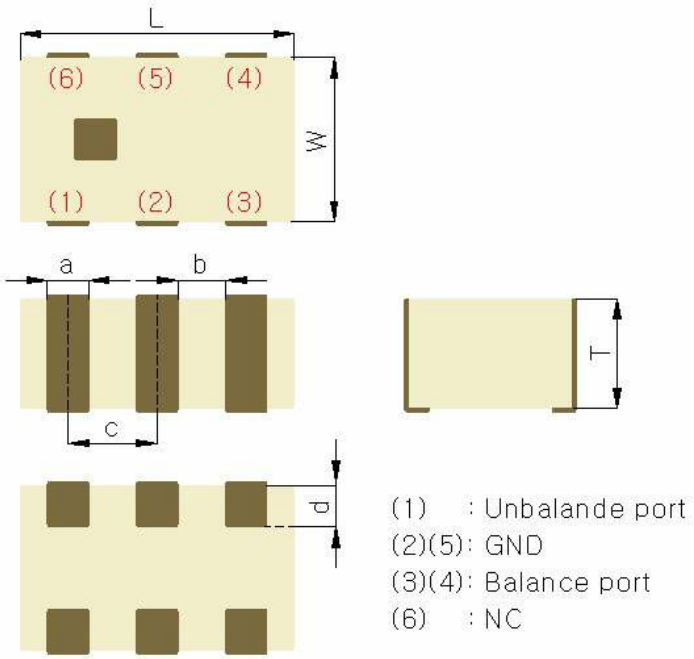
| Written by | Checked by | Approved by |
|---|---|---|
| J.W., Seo | J.S., Ha | Y.S., Lee |

## 1. Electrical Specifications.

| Item | Specifications |
|---|---|
| Frequency Range | 2642 ± 10 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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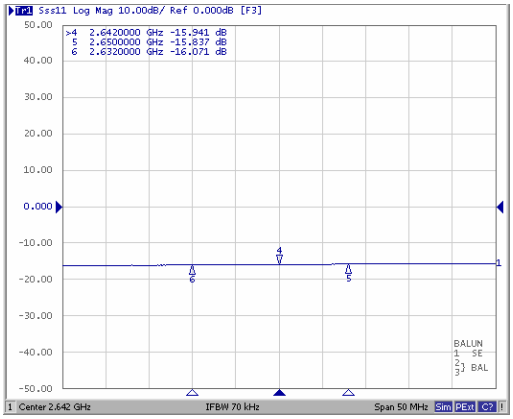
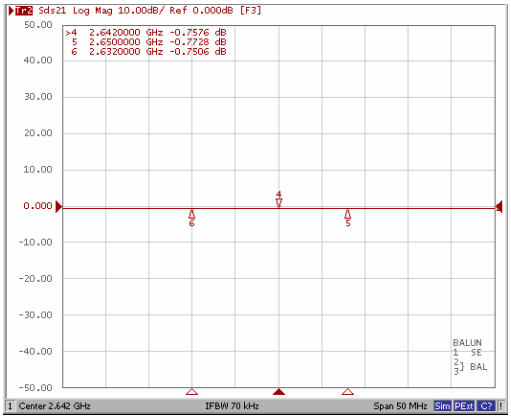
## 3. Frequency Response (Instrument : Agilent E5071B Network Analyzer)

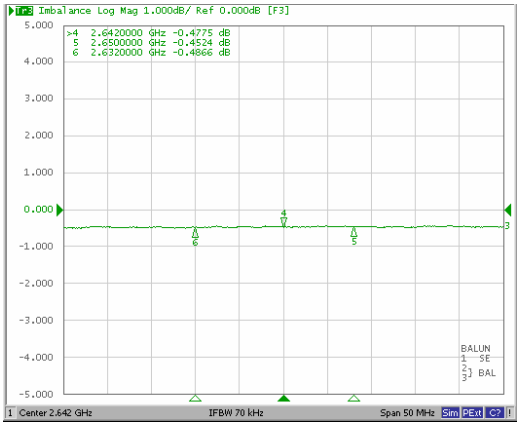
**<Return loss>**



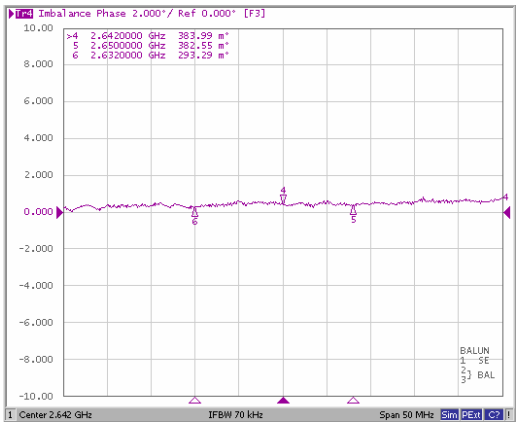

**<Insertion loss>**




**<Amplitude Imbalance>**




**<Phase Imbalance>**



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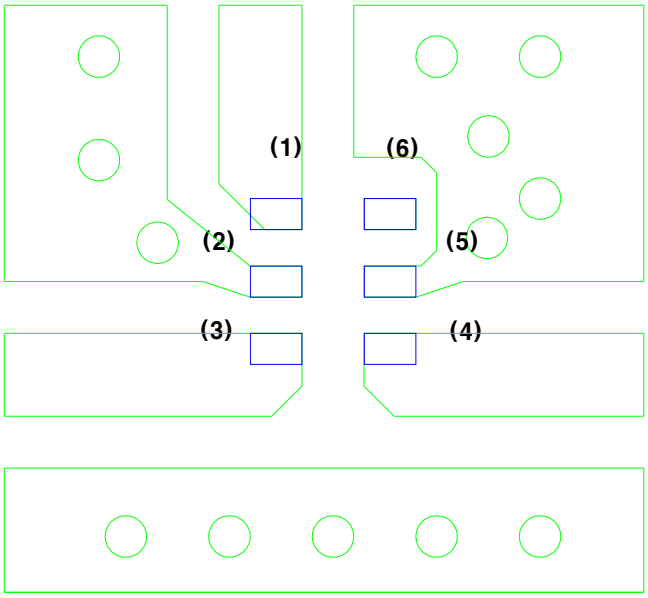
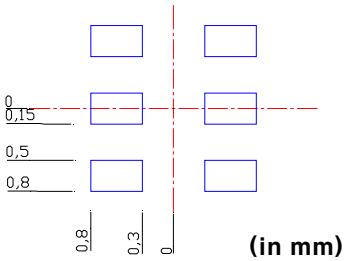
## 4. Land pattern.




PCB PAD

Copper Top

GND through hole

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