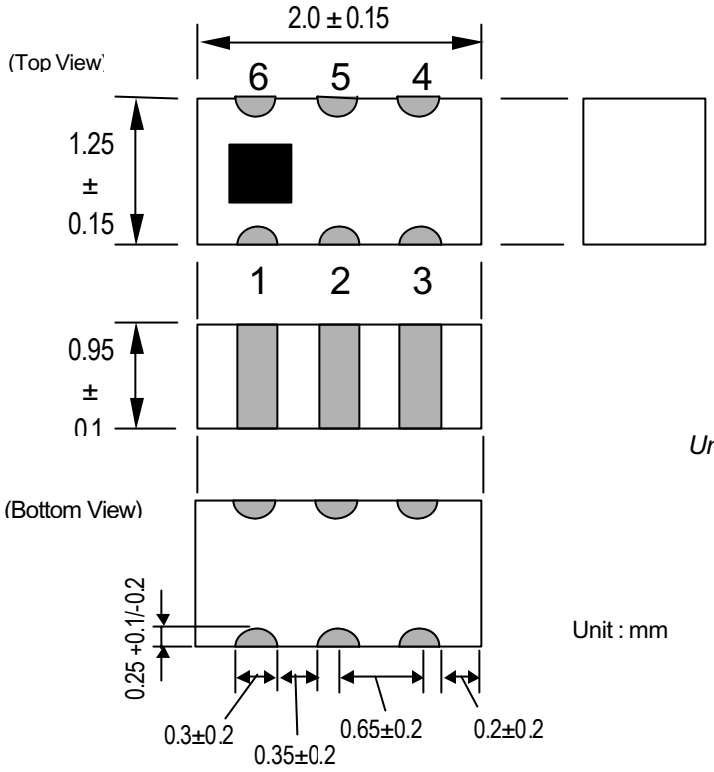
PRELIMINARY

June / 2002 Ver.4
TDK Corporation

MULTILAYER BALUN SPECIFICATION

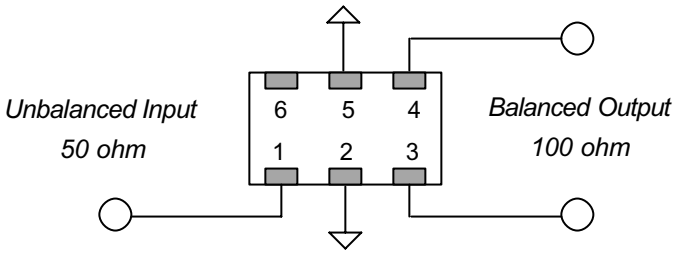
P/N: HHM1562B For W-LAN

[MECHANICAL DIMENSIONS]



Pin configuration

1 *Unbalanced Port*
2 *GND or DC feed + RF GND*
3 *Balanced Port*
4 *Balanced Port*
5 *GND*
6 *N.C.*



[ELECTRICAL CHARACTERISTICS]

Unbalanced Impedance	*50 ohm*
Balanced Impedance	*100 ohm*
Frequency Range	*5150-5875MHz*
Unbalanced Port Return Loss	*10 dB Min.*
Phase Imbalance at Balanced Port	*180 ± 10 deg.*
Amplitude Imbalance at Balanced Port	*0 ± 2.0 dB*
Insertion Loss	*1.0 Max.*

[TEMPERATURE RANGE]

Storage Temperature	*-40°C ~ +85°C*
Operating Temperature	*-40°C ~ +85°C*

[STANDARD PACKAGING QUANTITIES]

2000pcs. /reel

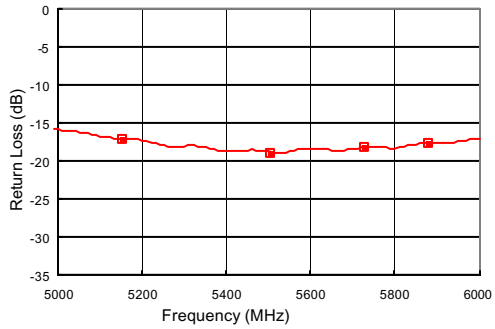
Notes : All the technical data and information contained herein are subject to change without prior notice.

PRELIMINARY

[Frequency response]

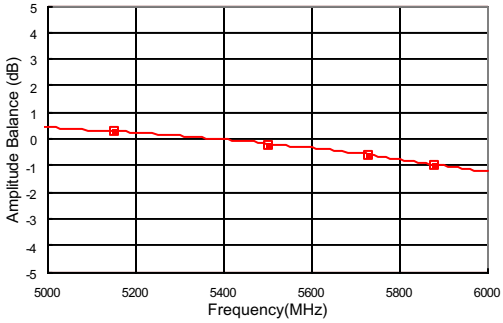
HHM1562B (UNBALANCE 50ohm/BALANCE 100ohm)

Return Loss



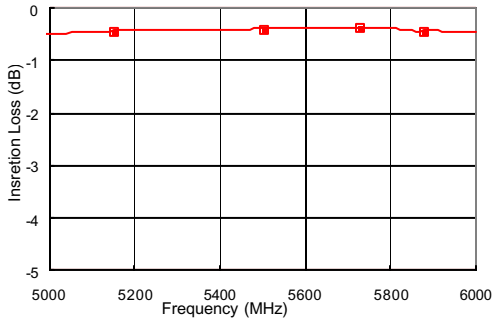
5150 MHz
-17.131 dB
5500 MHz
-18.741 dB
5725.0 MHz
-18.20 dB
5875.0 MHz
-17.67 dB

Amplitude Balance



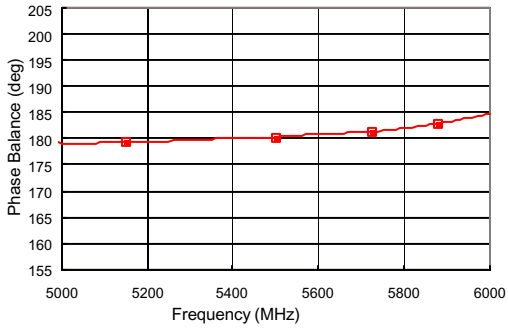
5150 MHz
0.315 dB
5500 MHz
-0.197 dB
5725.0 MHz
-0.55 dB
5875.0 MHz
-0.95 dB

Insertion Loss



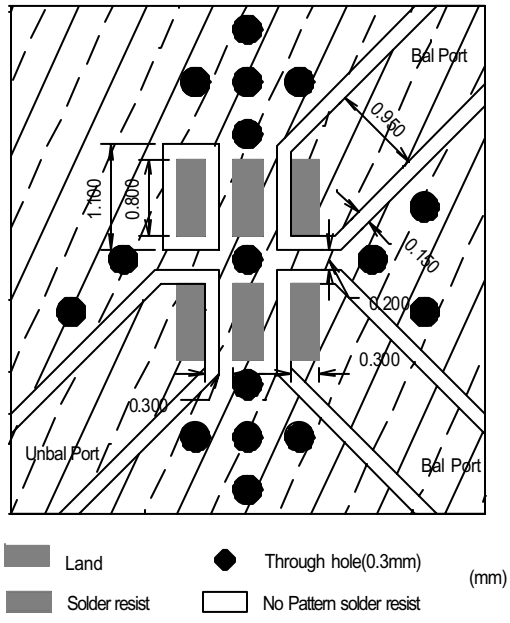
5150 MHz
-0.429 dB
5500 MHz
-0.387 dB
5725.0 MHz
-0.37 dB
5875.0 MHz
-0.44 dB

Phase Balance



5150 MHz
179.372 dB
5500 MHz
180.283 dB
5725.0 MHz
181.41 dB
5875.0 MHz
182.94 dB

[Recommended PCB Pattern]



Line width be designed to match 50ohm characteristic impedance, depending on PCB material and thickness.

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