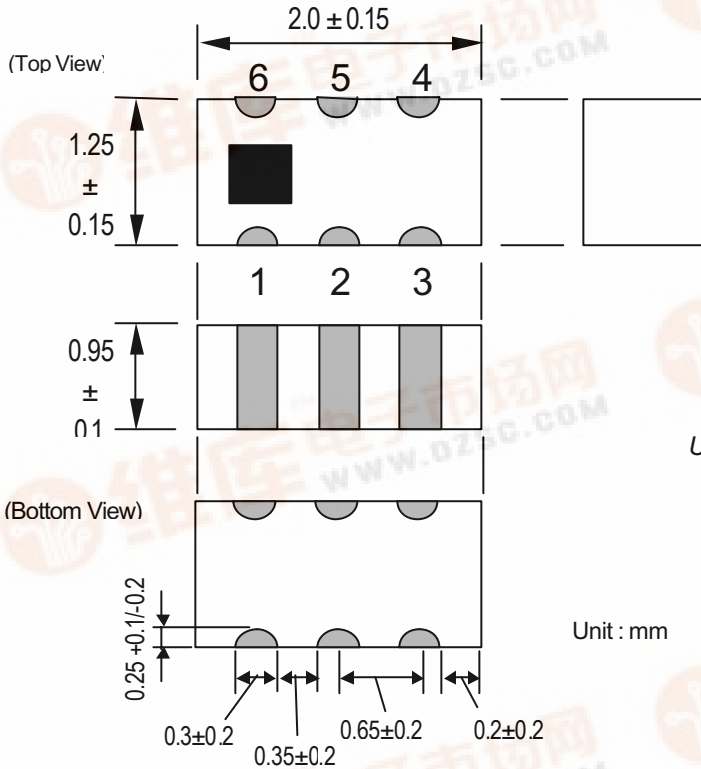


PRELIMINARY

June / 2002 Ver.4
TDK Corporation

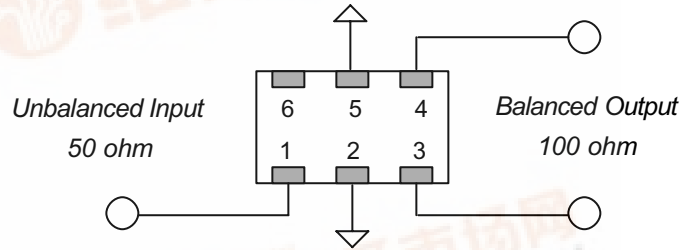
MULTILAYER BALUN SPECIFICATION
P/N: **HHM1562B** For W-LAN

[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

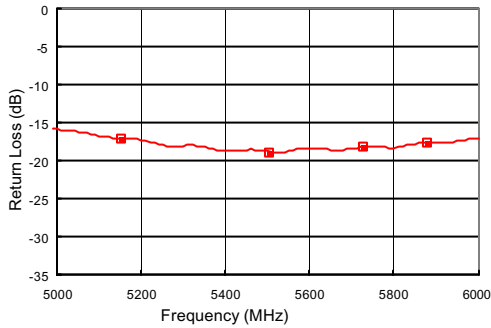


PRELIMINARY

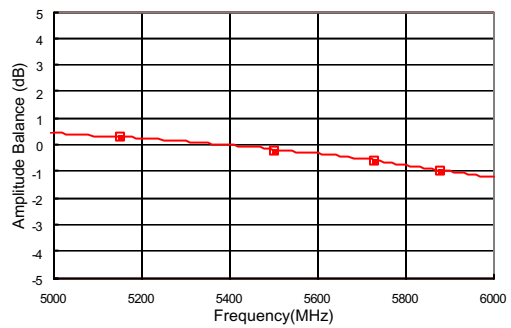
[Frequency response]

HHM1562B (UNBALANCE 50ohm/BALANCE 100ohm)

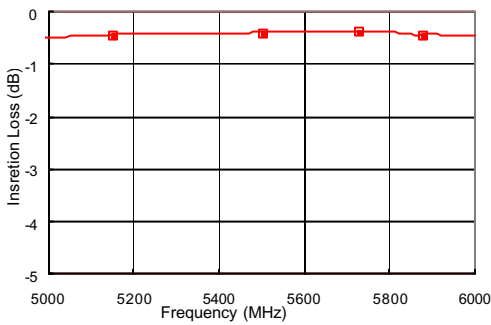
Return Loss



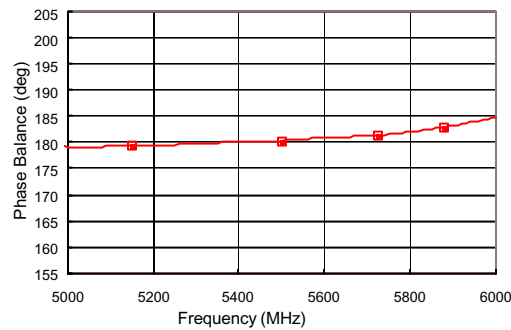
Amplitude Balance



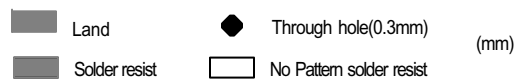
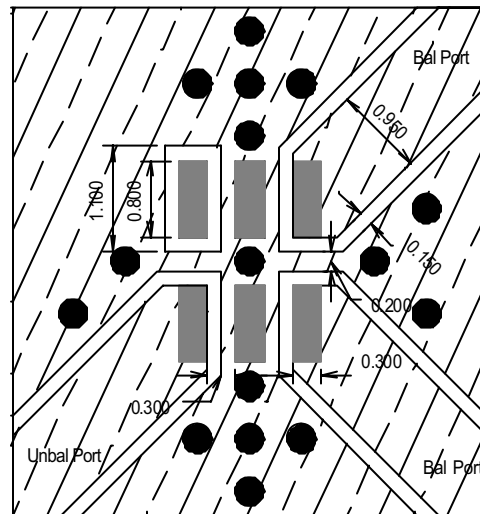
Insertion Loss



Phase Balance



[Recommended PCB Pattern]



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