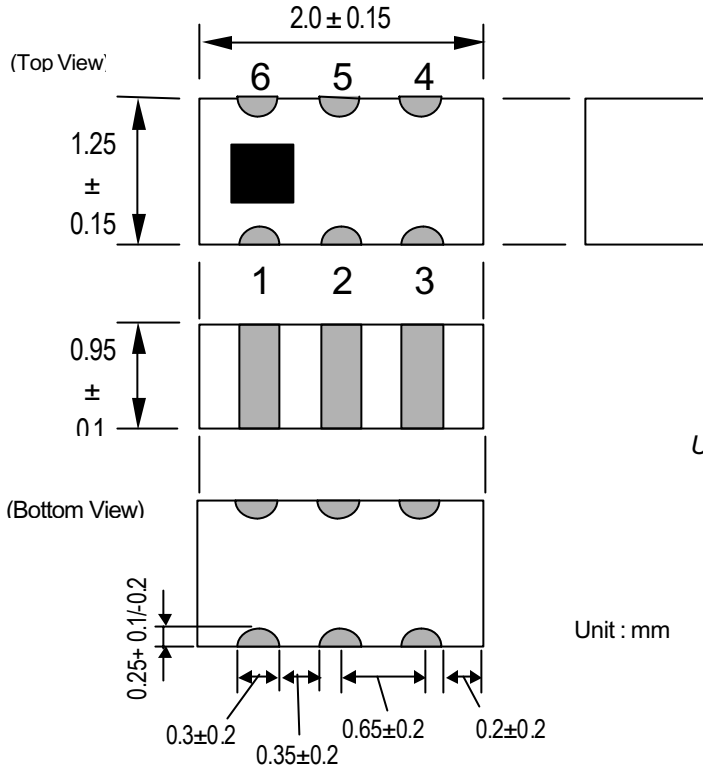


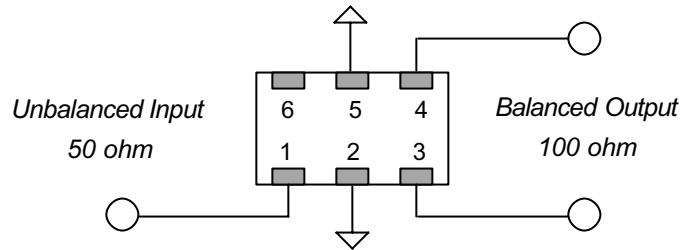
MULTILAYER BALUN SPECIFICATION
 P/N: **HHM1520** For Bluetooth & IEEE802.11b/g

[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	2400-2500MHz
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	1.0dB Max.

[TEMPERATURE RANGE]

Storage Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Operating Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

[STANDARD PACKAGING QUANTITIES]

2000pcs. /reel

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

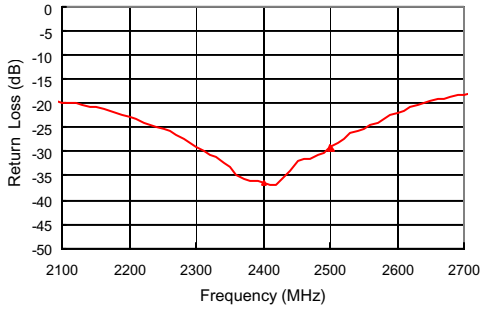
PRELIMINARY

[Frequency response]

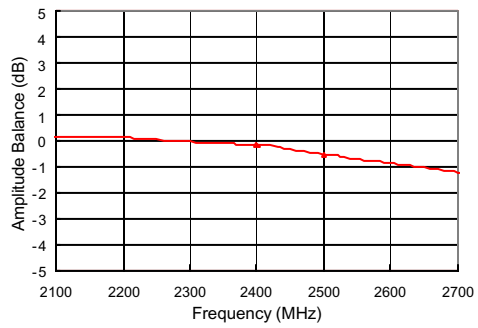
HHM1520 (UNBALANCE 50ohm/BALANCE 100ohm)

TDK Corporation

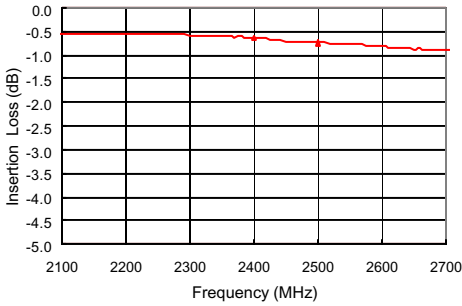
Return Loss



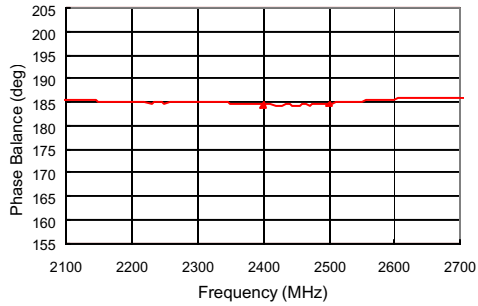
Amplitude Balance



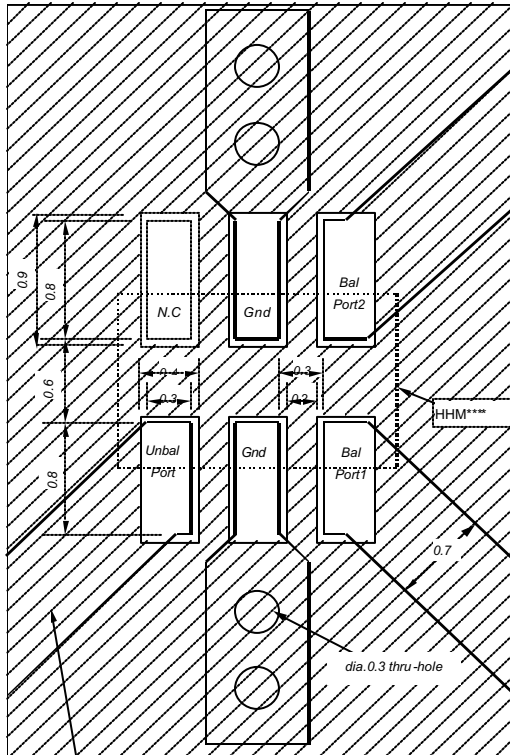
Insertion Loss



Phase Balance



[Recommended PCB Pattern]



This width is 50ohm.

Micro-strip line for 0.4mm thick glass-epoxy substrate.

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