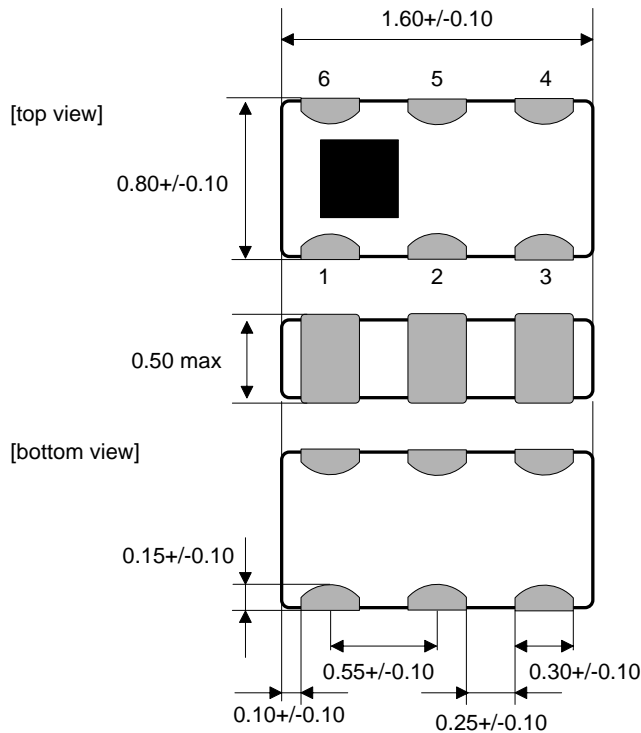


MULTILAYER BALUN SPECIFICATION

P/N: **HHM17139B1** for 2400~2500MHz

[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.

Unit : mm

[ELECTRICAL CHARACTERISTICS]

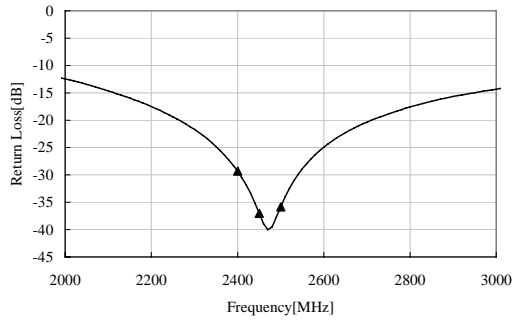
Unbalanced Impedance	50 ohm
Balanced Impedance	50 ohm
Frequency Range	2400 ~2500MHz
Unbalanced Port Return Loss	10.0 dB Min.
Phase Imbalance at Balanced Port	180 ± 10 deg
Amplitude Imbalance at Balanced Port	0 ± 1.0 dB
Insertion Loss	0.7 dB Max.

[TEMPERATURE RANGE]

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

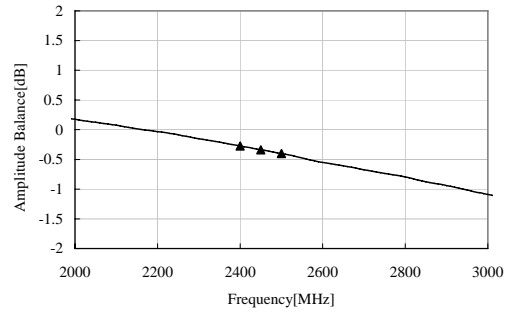
[FREQUENCY RESPONSE]

Return Loss



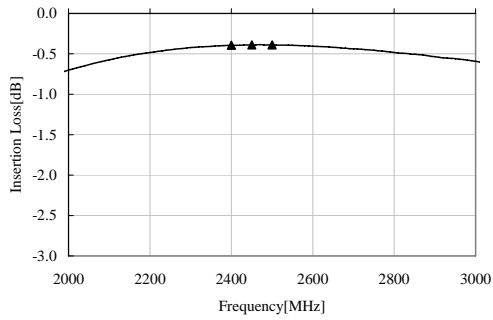
Amplitude Balance

2400.0 MHz
-29.32 dB
2450.0 MHz
-37.05 dB
2500.0 MHz
-35.86 dB



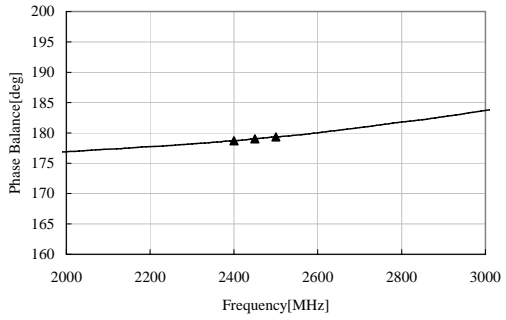
2400.0 MHz
-0.28 dB
2450.0 MHz
-0.34 dB
2500.0 MHz
-0.40 dB

Insertion Loss



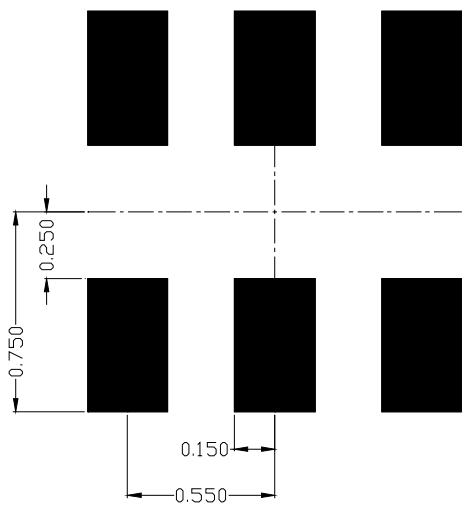
Phase Balance

2400.0 MHz
-0.39 dB
2450.0 MHz
-0.39 dB
2500.0 MHz
-0.39 dB



2400.0 MHz
178.71 deg
2450.0 MHz
179.02 deg
2500.0 MHz
179.35 deg

[RECOMMENDED LAND PATTERN]



unit :mm