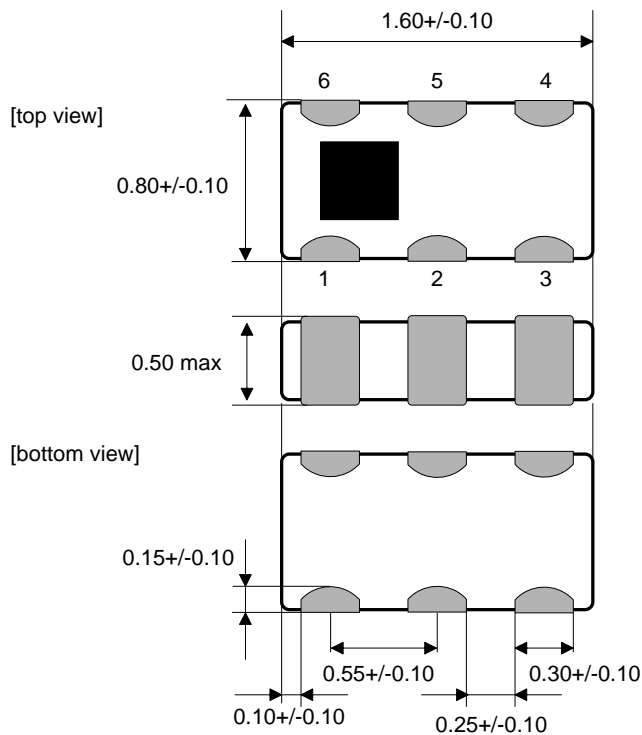


MULTILAYER BALUN SPECIFICATION

P/N: **HHM17146A1** for 1920~2170MHz

[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]

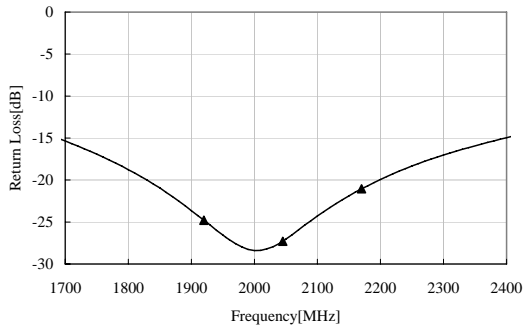
Unbalanced Impedance	50 ohm
Balanced Impedance	50 ohm
Frequency Range	1920 ~2170MHz
Unbalanced Port Return Loss	10.0 dB Min.
Phase Imbalance at Balanced Port	180 ± 10 deg
Amplitude Imbalance at Balanced Port	0 ± 1.0 dB
Insertion Loss	0.8 dB Max.

[TEMPERATURE RANGE]

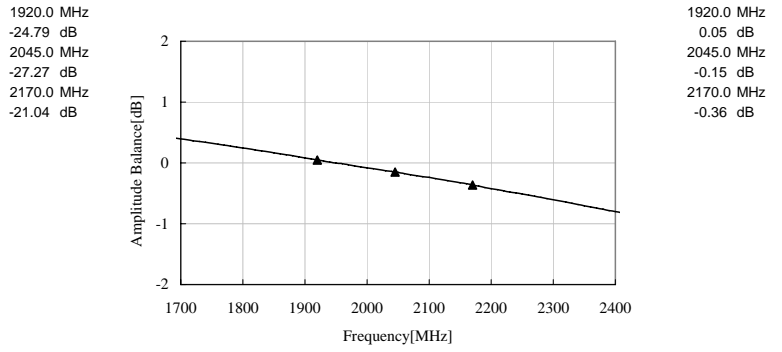
Storage Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Operating Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

[FREQUENCY RESPONSE]

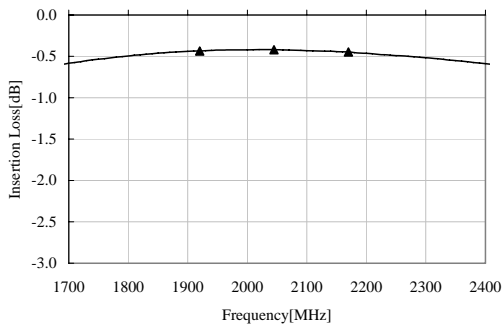
Return Loss



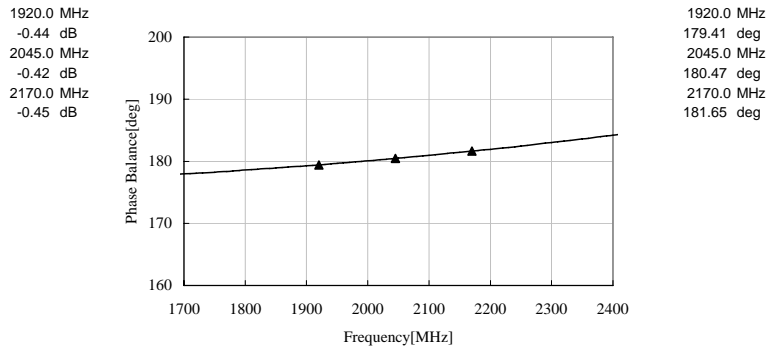
Amplitude Balance



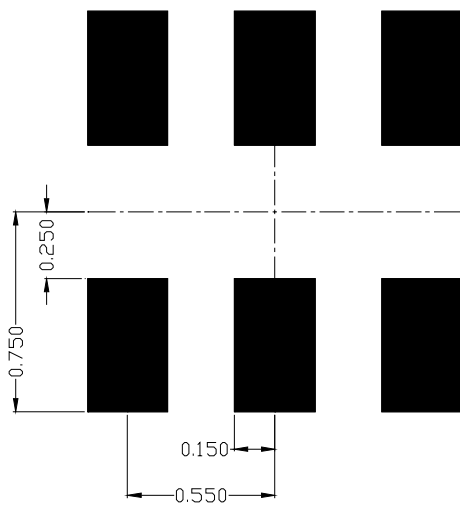
Insertion Loss



Phase Balance



[RECOMMENDED LAND PATTERN]



unit :mm