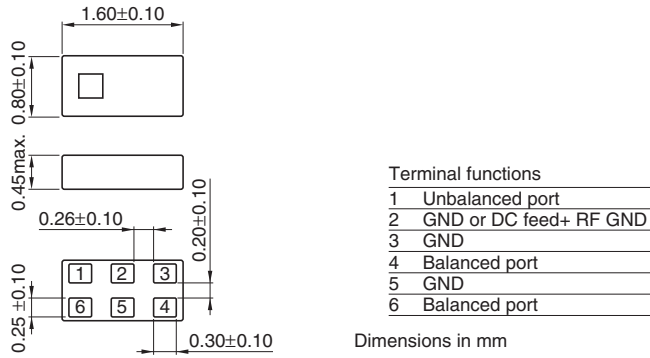


# Multilayer Chip Baluns For 2.4GHz W-LAN/Bluetooth

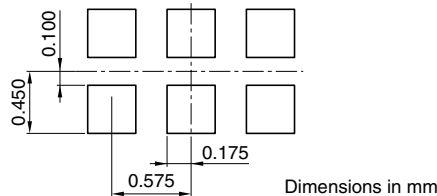
Conformity to RoHS Directive

HHM Series HHM17125D1

## SHAPES AND DIMENSIONS



## RECOMMENDED PC BOARD PATTERNS



## ELECTRICAL CHARACTERISTICS

Unbalanced impedance	50Ω	
Balanced impedance	Matches Atheros IC	
Frequency range	2400 to 2500MHz	
Unbalanced port return loss	10dB min.	
Phase imbalance at balanced port	180+20/-10deg.	
Amplitude imbalance at balanced port	0+1.2/-1.0dB	
Insertion loss	1.3dB max.	
Temperature range	Operating	-40 to +85°C
	Storage	-40 to +85°C

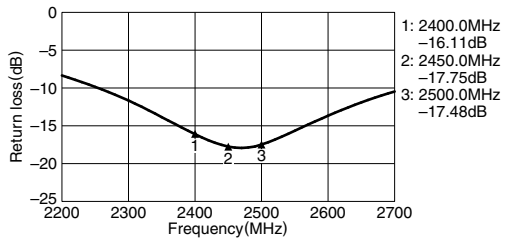
• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

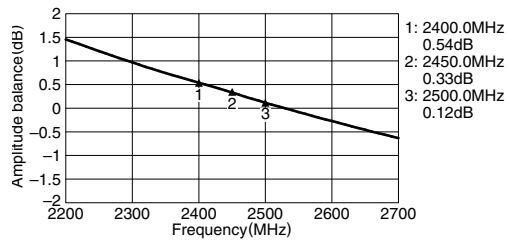
### FREQUENCY CHARACTERISTICS

Unbalance 50Ω/Balance Matches Atheros IC

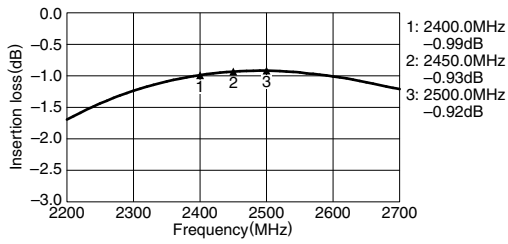
#### RETURN LOSS



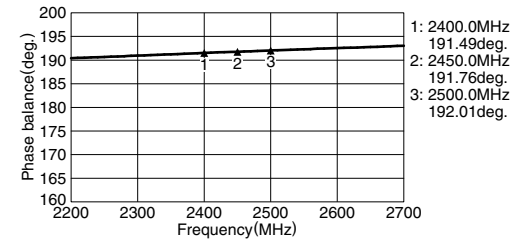
#### AMPLITUDE BALANCE



#### INSERTION LOSS



#### PHASE BALANCE



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