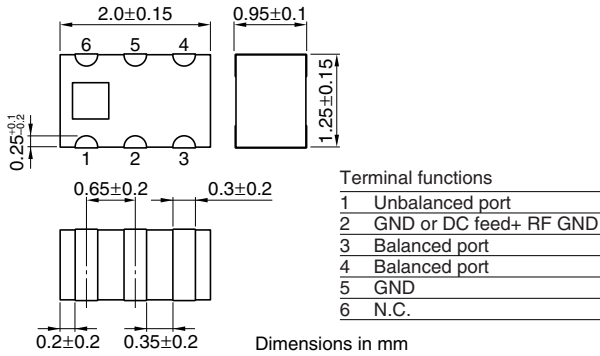


# Multilayer Chip Baluns For AGSM/Tx & Rx

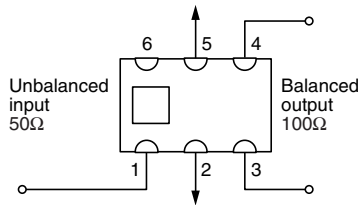
Conformity to RoHS Directive

HHM Series HHM1523B3

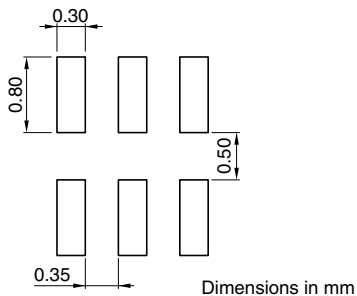
## SHAPES AND DIMENSIONS



## CIRCUIT DIAGRAM



## RECOMMENDED PC BOARD PATTERNS



## ELECTRICAL CHARACTERISTICS

|                                      |           |                 |
|--------------------------------------|-----------|-----------------|
| Unbalanced impedance                 |           | 50Ω             |
| Balanced impedance                   |           | 100Ω            |
| Frequency range                      |           | 824 to 894MHz   |
| Unbalanced port return loss          |           | 10dB min.       |
| Phase imbalance at balanced port     |           | 180±10deg.      |
| Amplitude imbalance at balanced port |           | 0±1.0dB         |
| Insertion loss                       |           | 1.2dB max.      |
| Temperature range                    | Operating | −40 to +85°C    |
|                                      | Storage   | −40 to +85°C    |
| Packaging style and quantities       |           | 2000pieces/reel |

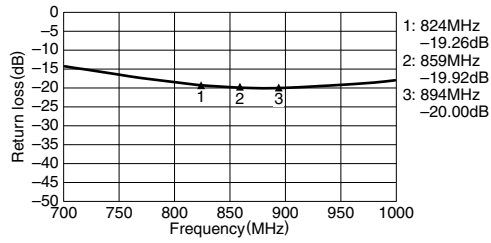
• Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

• All specifications are subject to change without notice.

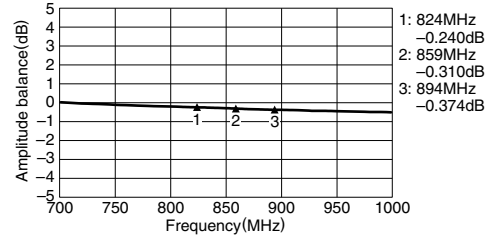
## FREQUENCY CHARACTERISTICS

Unbalance 50Ω/Balance 100Ω

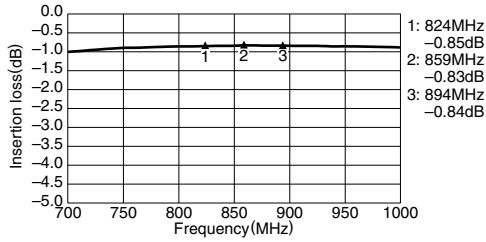
### RETURN LOSS



### AMPLITUDE BALANCE



### INSERTION LOSS



### PHASE BALANCE

