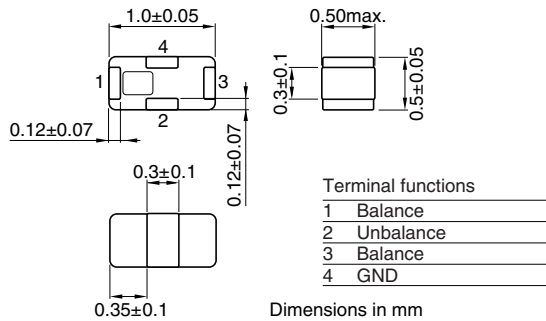


Multilayer Chip Baluns For LTE

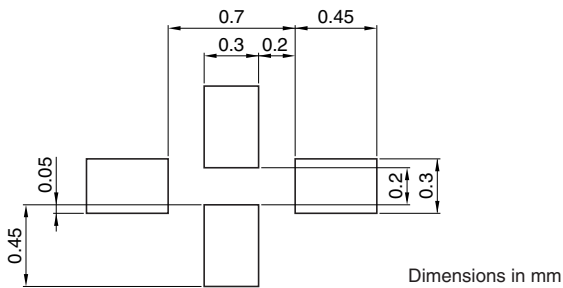
Conformity to RoHS Directive

HHM Series HHM1903D1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Unbalanced impedance	50Ω	
Balanced impedance	100Ω	
Frequency range	2300 to 2700MHz	
Unbalanced port return loss	15dB min.(1.43max.)	
Phase imbalance at balanced port	180±5deg.	
Amplitude imbalance at balanced port	0±2.5dB	
Insertion loss	0.55dB max.	
Temperature range	Operating	−40 to +85°C
	Storage	−40 to +85°C

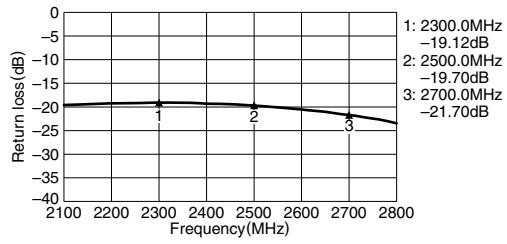
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

- All specifications are subject to change without notice.

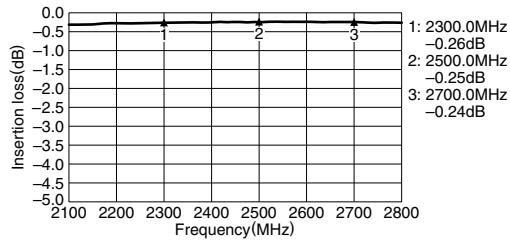
FREQUENCY CHARACTERISTICS

Unbalance 50Ω/Balance 100Ω

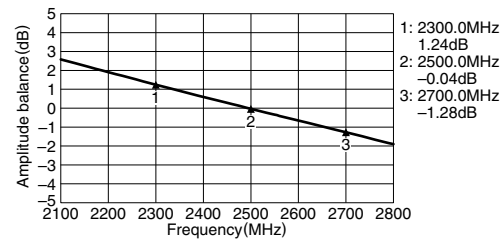
RETURN LOSS



INSERTION LOSS



AMPLITUDE BALANCE



PHASE BALANCE

