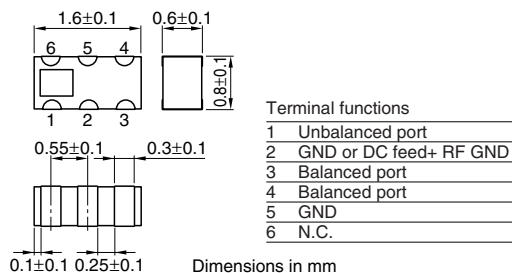


Multilayer Chip Baluns For WiMAX

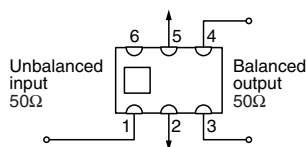
Conformity to RoHS Directive

HHM Series HHM1710J1

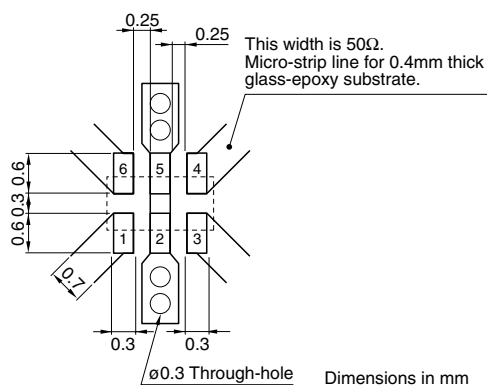
SHAPES AND DIMENSIONS



CIRCUIT DIAGRAM



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Unbalanced impedance	50Ω	
Balanced impedance	50Ω	
Frequency range	2300 to 2700MHz	
Unbalanced port return loss	10dB min.	
Phase imbalance at balanced port	180±10deg	
Amplitude imbalance at balanced port	0±1.5dB	
Insertion loss	1.2dB max.	
Attenuation	[800 to 960MHz]	6dB min.
	[1700 to 1900MHz]	1dB min.
	[1900 to 1980MHz]	1dB min.
Power capacity	0.5W max.	
Temperature range	Operating	-40 to +85°C
	Storage	-40 to +85°C
Packaging style and quantities	4000pieces/reel	

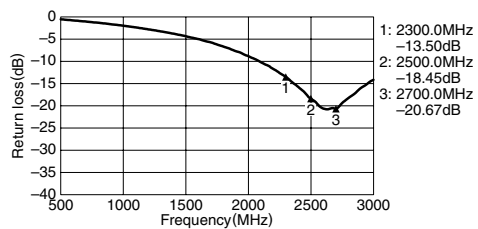
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

- All specifications are subject to change without notice.

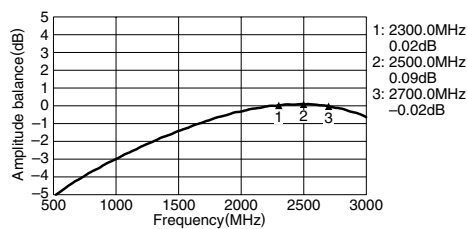
FREQUENCY CHARACTERISTICS

Unbalance 50Ω/Balance 50Ω

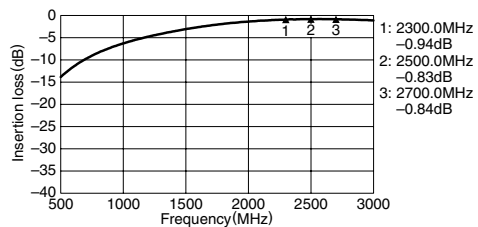
RETURN LOSS



AMPLITUDE BALANCE



INSERTION LOSS



PHASE BALANCE

