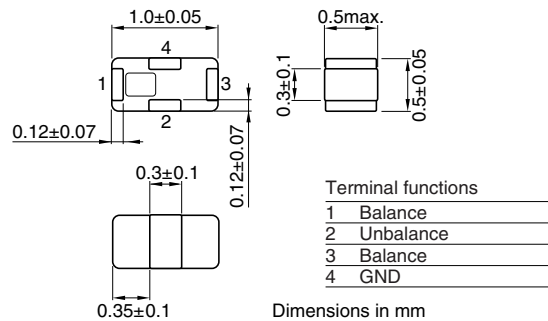


Multilayer Chip Baluns For LTE

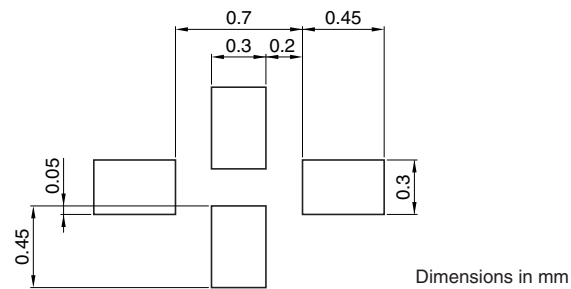
Conformity to RoHS Directive

HHM Series HHM1931A1

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Unbalanced impedance		50Ω
Balanced impedance		100Ω
Frequency range		1930 to 1990MHz
Unbalanced port return loss		10dB min.
Phase imbalance at balanced port		180±5deg.
Amplitude imbalance at balanced port		0±1.0dB
Insertion loss		0.55dB max.
Temperature range	Operating	−40 to +85°C
	Storage	−40 to +85°C

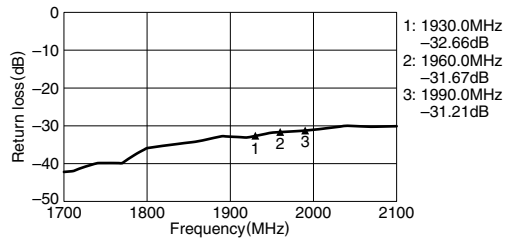
- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

- All specifications are subject to change without notice.

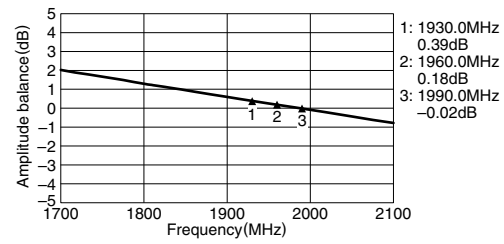
FREQUENCY CHARACTERISTICS

Unbalance 50Ω/Balance 100Ω

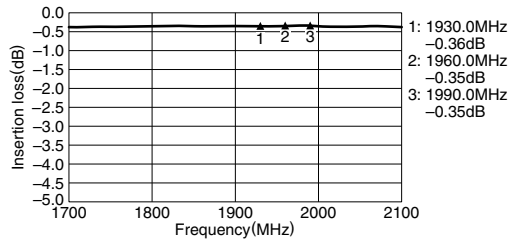
RETURN LOSS



AMPLITUDE BALANCE



INSERTION LOSS



PHASE BALANCE

