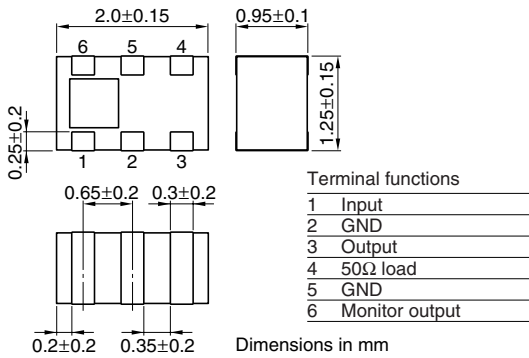


# Multilayer Chip Directional Couplers For PCS/Tx

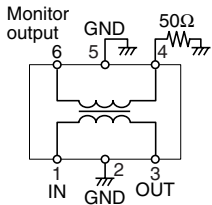
Conformity to RoHS Directive

## HHM Series HHM2411

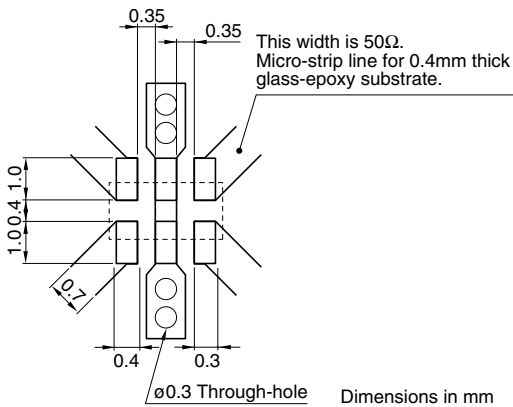
### SHAPES AND DIMENSIONS



### CIRCUIT DIAGRAM



### RECOMMENDED PC BOARD PATTERNS



### ELECTRICAL CHARACTERISTICS

Frequency range	1850 to 1910MHz
Coupling factor	-14.5±1.0dB
Insertion loss	0.35dB max.*1 0.40dB max.*2
Isolation	20dB min.
VSWR	1.4 max.
Temperature range	Operating -40 to +85°C Storage -40 to +85°C

\*1 25°C

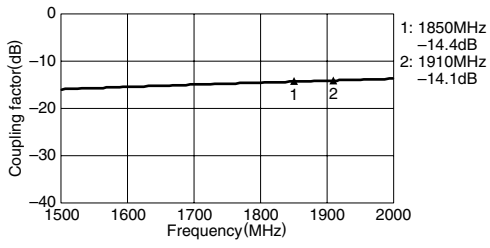
\*2 Operating temperature

• 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.

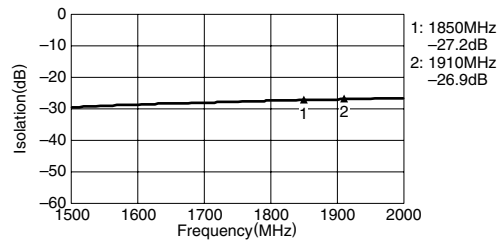
• All specifications are subject to change without notice.

### FREQUENCY CHARACTERISTICS

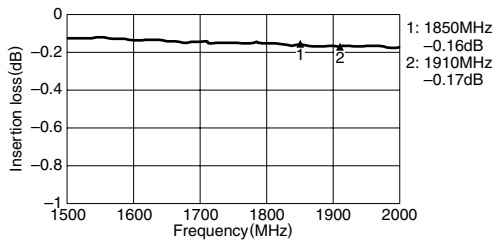
#### COUPLING



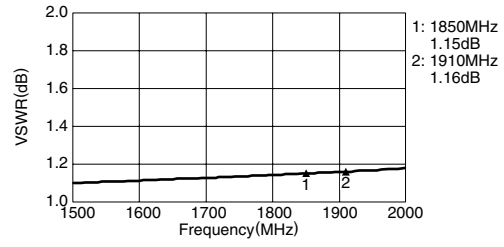
#### ISOLATION



#### INSERTION LOSS



#### VSWR



• All specifications are subject to change without notice.