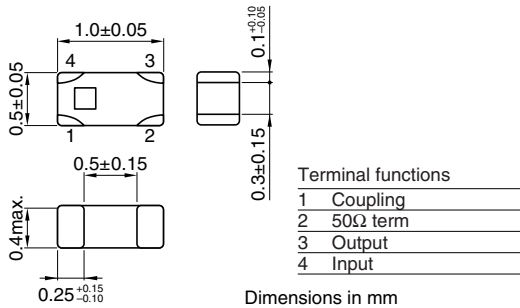


Multilayer Chip Directional Couplers For LTE/GSM/DCS/PCS

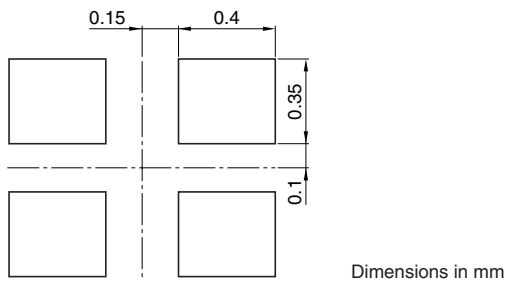
Conformity to RoHS Directive

HHM Series HHM2909C4

SHAPES AND DIMENSIONS



RECOMMENDED PC BOARD PATTERNS



ELECTRICAL CHARACTERISTICS

Frequency range	777 to 787MHz	824 to 925MHz	1710 to 1785MHz	1850 to 1910MHz
Coupling factor	20.4±1.0dB	19.4±1.0dB	13.5±1.0dB	12.8±1.0dB
Insertion loss	0.25dB max.*1 0.28dB max.*2	0.25dB max.*1 0.28dB max.*2	0.50dB max.*1 0.55dB max.*2	0.55dB max.*1 0.60dB max.*2
Isolation	32dB min.	32dB min.	32dB min.	32dB min.
VSWR	1.4max.	1.4max.	1.4max.	1.4max.
Temperature range	Operating	-40 to +85°C	-40 to +85°C	-40 to +85°C
	Storage	-40 to +85°C	-40 to +85°C	-40 to +85°C

*1 25°C

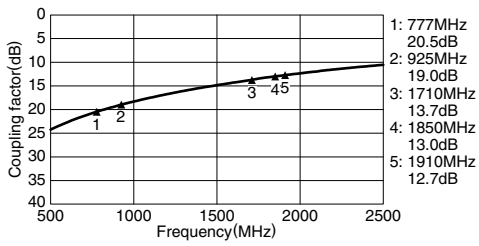
*2 Operating temperature

• 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.

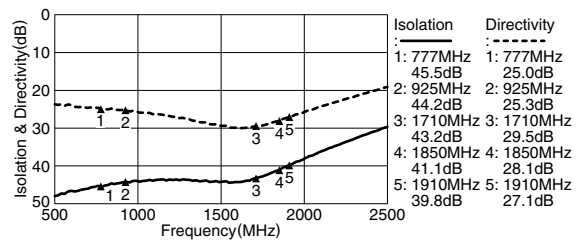
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

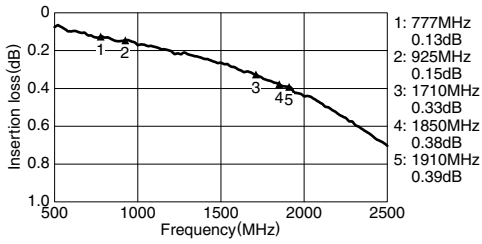
COUPLING



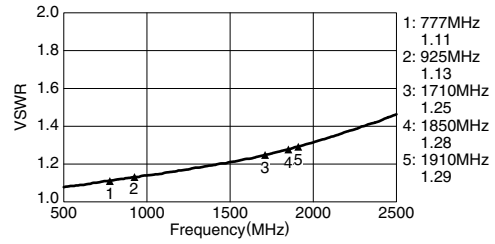
ISOLATION & DIRECTIVITY



INSERTION LOSS



VSWR



• All specifications are subject to change without notice.