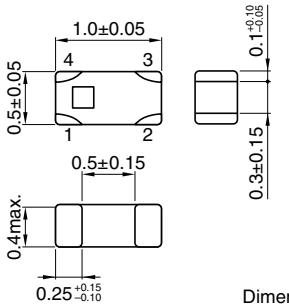
Multilayer Chip Directional Couplers For DCS/PCS

Conformity to RoHS Directive

HHM Series HHM2910E4

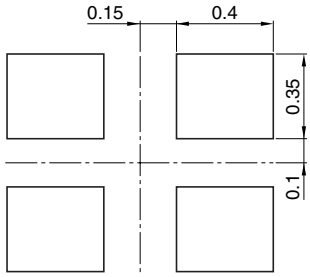
SHAPES AND DIMENSIONS



Terminal functions	
1	Coupling
2	50Ω term
3	Output
4	Input

Dimensions in mm

RECOMMENDED PC BOARD PATTERNS



Dimensions in mm

ELECTRICAL CHARACTERISTICS

Frequency range		1710 to 1755MHz	1850 to 1980MHz
Coupling factor		21.2±1.0dB	20.5±1.0dB
Insertion loss		0.22dB max.*1	0.22dB max.*1
		0.25dB max.*2	0.25dB max.*2
Isolation		34dB min.	34dB min.
VSWR		1.4max.	1.4max.
Temperature range	Operating	–40 to +85°C	–40 to +85°C
	Storage	–40 to +85°C	–40 to +85°C

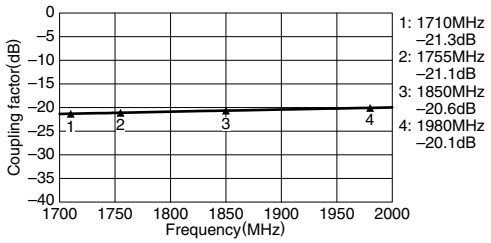
*1 25°C
*2 Operating temperature

- 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.

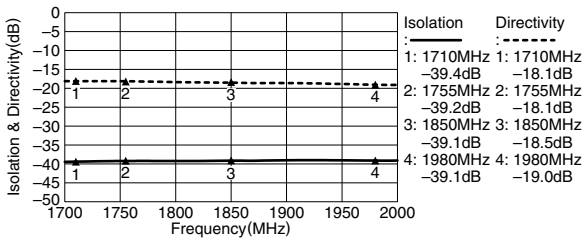
• All specifications are subject to change without notice.

FREQUENCY CHARACTERISTICS

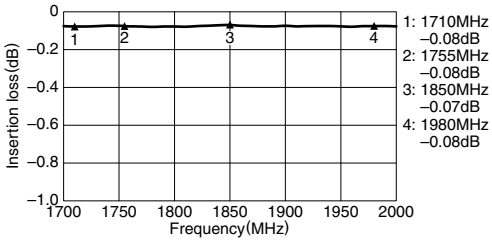
COUPLING



ISOLATION & DIRECTIVITY



INSERTION LOSS



VSWR

