Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!
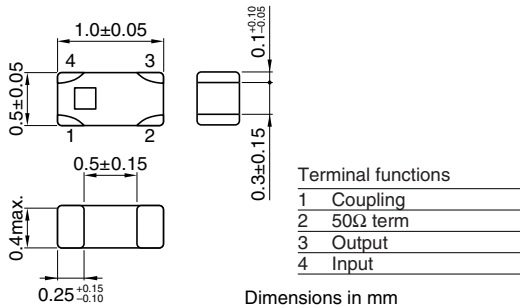

Contact us

Multilayer Chip Directional Couplers
For 2.4GHz W-LAN

Conformity to RoHS Directive

HHM Series HHM2917B1

SHAPES AND DIMENSIONS

1.0±0.05
0.5±0.05
4 3
1 2

0.1$^{+0.10}_{-0.05}$
0.3±0.15

0.5±0.15
0.4max.
0.25$^{+0.15}_{-0.10}$

Terminal functions

1	Coupling
2	50Ω term
3	Output
4	Input

Dimensions in mm

RECOMMENDED PC BOARD PATTERNS

0.15   0.4
0.35
0.1

Dimensions in mm
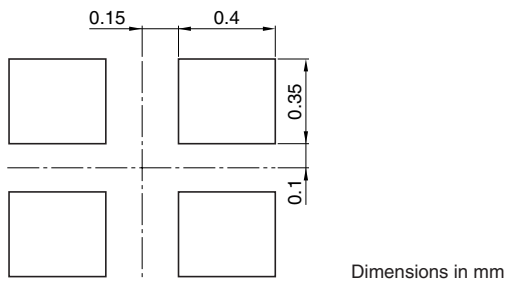
ELECTRICAL CHARACTERISTICS

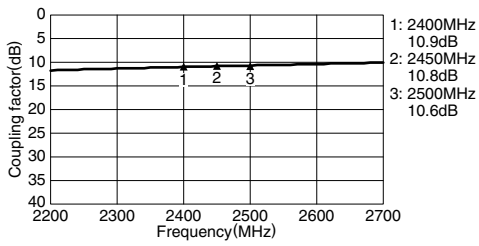| Frequency range		2400 to 2500MHz
Coupling factor		10.8±1.0dB
Insertion loss		0.72dB max.[1]
		0.75dB max.[2]
Isolation		28dB min.
VSWR		1.5max.
Temperature range	Operating	−40 to +85°C
	Storage	−40 to +85°C

[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.
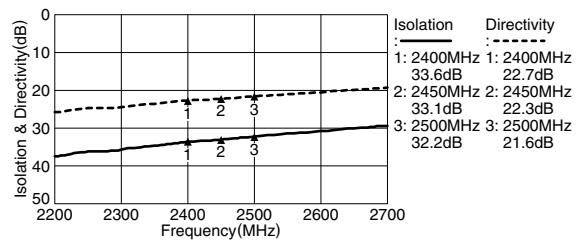
• All specifications are subject to change without notice.
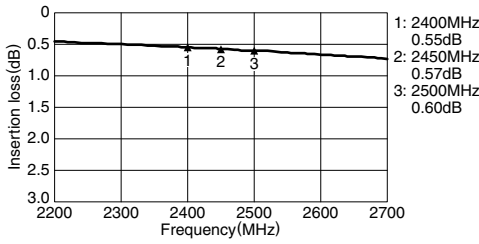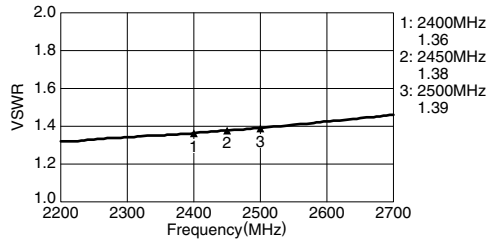
⏜TDK

FREQUENCY CHARACTERISTICS

COUPLING

1: 2400MHz
10.9dB
2: 2450MHz
10.8dB
3: 2500MHz
10.6dB

ISOLATION & DIRECTIVITY

Isolation   Directivity
: ———   : - - - - - -
1: 2400MHz 1: 2400MHz
33.6dB   22.7dB
2: 2450MHz 2: 2450MHz
33.1dB   22.3dB
3: 2500MHz 3: 2500MHz
32.2dB   21.6dB

INSERTION LOSS

1: 2400MHz
0.55dB
2: 2450MHz
0.57dB
3: 2500MHz
0.60dB

VSWR

1: 2400MHz
1.36
2: 2450MHz
1.38
3: 2500MHz
1.39

• All specifications are subject to change without notice.